

# ARCHIVES

OF

## Pathology & Laboratory Medicine

### Index to Volume 122

January through December 1998

*Editor*

**Kenneth D. McClatchey, DDS, MD**

Department of Pathology

Loyola University Medical Center

2160 S First Ave, Bldg 102, Office 2649

Maywood, IL 60153

*Associate Editor*

**Gregorio Chejfec, MD**

*Assistant Editor*

**J. Charles Jennette, MD**

*Managing Editor*

**Patrick H. Kearns**

*Statistical Consultant*

**Shrikant I. Bangdiwala, PhD**

### Editorial Board

**James P. AuBuchon, MD**, Lebanon, NH

**John T. Brandt, MD**, Columbus, Ohio

**Barbara J. Crain, MD, PhD**, Baltimore, Md

**Louis P. Dehner, MD**, St. Louis, Mo

**Charles R. Handorf, MD, PhD**, Memphis, Tenn

**Donald Earl Henson, MD**, Bethesda, Md

**Chester J. Herman, MD, PhD**, Atlanta, Ga

**Henry A. Homburger, MD**, Rochester, Minn

**James Linder, MD**, Omaha, Neb

**Bruce M. McManus, MD, PhD**, Vancouver, Canada

**L. Jeffrey Medeiros, MD**, Houston, Tex

**Suzanne S. Mirra, MD**, Brooklyn, NY

**Robert L. Reddick, MD**, San Antonio, Tex

**Dennis W. Ross, MD, PhD**, Winston-Salem, NC

**David A. Schwartz, MD**, Atlanta, Ga

**Kent A. Spackman, MD**, Portland, Ore

**Raymond R. Tubbs, DO**, Cleveland, Ohio

**Gail L. Woods, MD**, Galveston, Tex

# AUTHOR INDEX TO VOLUME 122

In this Index in alphabetical order are listed names of authors of all articles and letters. Full citation is given under first author only; reference is made from joint authors. Names which begin with a prefix are entered under the prefix. The month is given as a two-letter notation in parentheses.

## A

- Aamodi R see Grizzle WE  
 Abbott D see Tubbs RR  
 Abramowsky C see Kouritis AP  
 Abramowsky CR: Pathology of the Placenta (Major Problems in Pathology) (Book Review) 567 (Je)  
 Achim CL see Soontornniyomkij V  
 Ackroyd R see Tsongalis GJ  
 Akiyoshi T see Hasegawa H  
 Albanese E see Mack R  
 Albores-Saavedra J: Atlas of Endocrine Pathology (Book Review) 567 (Je)  
 Albores-Saavedra J see Gilcrease MZ  
 Allsbrook WC Jr see Lane RB Jr  
 Almasri NM, Iturraspe JA, Braylan RC: CD10 expression in follicular lymphoma and large cell lymphoma is different from that of reactive lymph node follicles, 539 (Je)  
 Alsabeh R see Vasef MA  
 Alverson DC see Simon TL  
 Amar M see Groisman GM  
 Anand A see Cerilli LA  
 Anderson DC see Schwartz DA  
 Ang LC see Deodhare SS  
 Ansell J see Fairweather RB  
 Antley CM see Chuard C  
 Aranda M, Marti C, Bernet M, Gudiol F, Pujol R: Diagnostic utility of postmortem fine-needle aspiration cultures, 650 (Jy)  
 Argueta-Manzano O-E see González-Cámpora R  
 Arimura K see Li T-J  
 Arkin CF see Olson JD  
 Armitage JO: Cancer: Principles and Practice of Oncology (Book Review) 288 (Mr)  
 Arrizabalaga F, Solé M, Quintó L, Ascaso C, Engel P: Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy, 817 (Se)  
 Ascaso C see Arrizabalaga P  
 Ashida K see Terada T  
 Askin FB: Differential Diagnosis in Pathology: Pulmonary Disorders (Book Review) 566 (Je)  
 Astles JR, Lipman HB, Schalla WO, Blumer SO, Fehd RJ, Smith C, Hearn TL: Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies, 700 (Au)  
 Aubuchon J see Simon TL  
 Austin GE: Atlas of Testicular Pathology 1.0 (CD-ROM) (Book Review) 380 (Ap)  
 Austin GW see Trainor LD  
 Aydin F, Bartholomew PM, Vinson DG: Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome, 361 (Ap)  
 Azuma K see Ikeda T

## B

- Bach N, Thung SN, Schaffner F: The histologic effects of low-dose methotrexate therapy for primary biliary cirrhosis, 342 (Ap)  
 Baker SP see Khan A  
 Balcerzak SP see Bartolo C  
 Bane BL see Cannon TC  
 Banner BF see Khan A  
 Barnett SW see Locher CP  
 Barrera JL see Meneses A  
 Barrowcliffe TW see Laposata M  
 Bartholomew PM see Aydin F  
 Bartolo C, McAndrew PE, Sosolik RC, Cawley KA, Balcerzak SP, Brandt JT, Prior TW: Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy, 633 (Jy)  
 Battles JB, Kaplan HS, Van der Schaaf TW, Shea CE: The attributes of medical event-reporting systems: experience with a prototype medical event-reporting system for transfusion medicine, 231 (Mr)

- Becker RC: College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system, 815 (Se)  
 Bee C see Dunphy CH  
 Bejar J, Sabo E, Misselevich I, Eldar S, Boss JH: Comparative study of computer-assisted image analysis and light-microscopically determined estrogen receptor status of breast carcinomas, 346 (Ap)  
 Berman MM see Tsongalis GJ  
 Bernet M see Aranda M  
 Bharucha H see McCluggage WG  
 Bilbao JM see Deodhare SS  
 Billings CE: Some hopes and concerns regarding medical event-reporting systems: lessons from the NASA Aviation Safety Reporting System, 214 (Mr)  
 Billings SD, Roth LM: Pseudoinvasive, nodular extramammary Paget's disease of the vulva, 471 (My)  
 Birdsong GG: Microscopy-Tutor 1.01 (CD-ROM) (Book Review) 1123 (De)  
 Blackburn DJ see Locher CP  
 Blumberg N, Heal JM: Blood transfusion immunomodulation: the silent epidemic, 117 (Fe)  
 Blumer SO see Astles JR  
 Boldrini R see Bosman C  
 Borawski E see Redline RW  
 Bosman C, Diomedei Camassei F, Boldrini R, Piro FR, Saponara M, Romeo R, Corsi A: Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia, 920 (Oc)  
 Boss JH see Bejar J  
 Bovill EG, Mann KG, Phillips D, Vlasuk G, Becker RC: College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—overview, 808 (Se)  
 Boyd HK see McCluggage WG  
 Boyko OB see Burger PC (2 citations)  
 Bračko M see Lamovec J  
 Brandt JT: College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction, 765 (Se)  
 Brandt JT see Bartolo C; Fairweather RB; Olson JD  
 Brasky KM see Locher CP  
 Braylan RC see Almasri NM  
 Brennan RP see Brett FM  
 Brett FM, Loring P, Caesar A, Burke M, Brennan RP, King M, Farrell MA: Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies, 69 (Ja)  
 Bridge JA, Roberts CA, Degenhardt J, Walker C, Lackner R, Linder J: Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors, 187 (Fe)  
 Brink DS, Grosso LE, Dunphy CH: Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology, 1018 (No)  
 Brodman M see Kalir T  
 Brooks JJ see Zhang PJ  
 Brossette S see McDonald JM  
 Brown DE, Denney CF, Burns DK: Systemic calciphylaxis associated with massive gastrointestinal hemorrhage, 656 (Jy)  
 Brown DE, Rushing EJ: Rosenthal fibers in a classic acoustic schwannoma [reply] 673 (Au)  
 Bruce JR see Dodson RF  
 Brumback RA see Cannon TC  
 Burger PC, Nelson JS, Boyko OB: Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines, 609 (Jy)  
 Burger PC, Nelson JS, Boyko OB: Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities, 620 (Jy)  
 Burke HB, Henson DE: Specimen banks for cancer prognostic factor research, 871 (Oc)  
 Burke M see Brett FM

- Burns DK see Brown DF  
 Bussey HI see Fairweather RB

## C

- Caesar A see Brett FM  
 Cahen YD see Homburger HA  
 Caldwell CW: Analyte-specific reagents in the flow cytometry laboratory, 861 (Oc)  
 Campbell B see Cowan DF  
 Campbell TE see Nowak MA (two citations)  
 Cancer Committee, College of American Pathologists see Compton C; Fitzgibbons PL; Min K-W  
 Cannon TC, Bane BL, Kistler D, Schoenhals GW, Hahn M, Leech RW, Brumback RA: Primary intracerebellar osteosarcoma arising within an epidermoid cyst, 737 (Au)  
 Capella C see Facco C  
 Carey D see Dorion RP  
 Carven JH see Vamvakas EC  
 Cawley KA see Bartolo C  
 Cell Markers Committee of the College of American Pathologists see Tubbs RR  
 Cerilli LA, Huffman HT, Anand A: Primary renal angiosarcoma: a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature, 929 (Oc)  
 Chang C-C, Ip MPC, Hsu RM, Vrobel T: Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with traumatic chest pain, 320 (Ap)  
 Charlotte E, Sriha B, Mansour G, Gabarre J: An unusual case associating ileal Crohn's disease and diffuse large B-cell lymphoma of an adjacent mesenteric lymph node, 559 (Je)  
 Chatelet FP see Dikov DI  
 Chen W-J see Huang C-C  
 Chiarriani A see Tinari N  
 Chu SC see Usuki J  
 Chuang J-H see Huang C-C  
 Chuard C, Antley CM, Reller LB: Clinical utility of cardiac valve Gram stain and culture in patients undergoing native valve replacement, 412 (My)  
 Gibas ES see Genest DR  
 Clarke HS see Fischer AH  
 Clausen K see Grizzle WE  
 Cohen A see Kamplath BN  
 Cohn R see Rosner E  
 Cohn RD see Shahangian S  
 Commons AS see Mai KT  
 Compton C, Sobin LH, Members of the Cancer Committee, College of American Pathologists, and the Task Force for Protocols on the Examination of Specimens From Patients With Gastric Cancer: Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists, 9 (Ja)  
 Compton CC: Application of synoptic reports [reply] 494 (Je)  
 Cooper ES see Simon TL  
 Cornford M see Hu B  
 Cornford ME see Gulati P  
 Corsi A see Bosman C  
 Corwin DJ see Tubbs RR  
 Cowan DE, Gray RZ, Campbell B: Validation of the laboratory information system, 239 (Mr)  
 Crain BJ: Basic Pathology (Book Review) 660 (Jy)  
 Crain BJ: Neuropathology: The Diagnostic Approach (Book Review) 481 (My)  
 Crain BJ: Textbook of Neuropathology (Book Review) 103 (Ja)  
 Cramer SF: Effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [letter] 1045 (De)  
 Cramer SF: Mucinous tumors of the ovary [letter] 581 (Jy)  
 Creager AJ, Maia DM, Funkhouser WK: Epstein-Barr virus-associated renal smooth muscle neoplasm: report of a case with review of the literature, 277 (Mr)  
 Croppo GE, Visvesvara GS, Leitch GJ, Wallace S, Schwartz DA: Identification of the microsporidian *Encephalitozoon*

hem using immunoglobulin G monoclonal antibodies, 182 (Fe)  
 Cross D see Rosner E  
 Crum CP see Genest DR  
 Cui S see Hano H  
 Cunningham MT see Olson JD  
 Cywiner-Golenzner C see Dikov DI

## D

D'Ostilio N see Tinari N  
 Dale JC, Steindel SJ, Walsh M: Early morning blood collections: a College of American Pathologists Q-Probe study of 657 institutions, 865 (Oc)  
 Danielson CFM see Davis KD  
 Davaraj S see Hoang MP  
 Davis KD, Danielson CFM, May LS, Han Z-Q: Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens, 972 (No)  
 de Chadarevian J-P see Pawel BR  
 de la Garza J see Meneses A  
 Dean B see Genest DR  
 DeChristopher PJ see Simon TL  
 Deckard-Janatpour K, Kragel S, Teplitz RL, Min BH, Gumerlock PH, Frey CF, Ruebner BH: Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study, 266 (Mr)  
 Degenhardt J see Bridge JA  
 Degos F see Mosnier J-F  
 Degott C see Mosnier J-F  
 Dehner LP: Anatomic Pathology 1996 (ASCP Reviews in Pathology) (Book Review) 199 (Fe)  
 Dehner LP: Tumors of the Fetus and Newborn (Major Problems in Pathology) (Book Review) 567 (Je)  
 Delgado R see Gilcrease MZ  
 Deligdisch L see Kalir T  
 Denney CF see Brown D  
 Dennis SE see Klatt EC  
 Deodhare SS, Ang LC, Bilbao JM: Isolated intracranial involvement in Rosai-Dorfman disease: a report of two cases and review of the literature, 161 (Fe)  
 Deppisch L see Nowak M  
 Delgado R see Gilcrease MZ  
 Dhane K see Jacobs W  
 Di Gregorio see Tinari  
 Dikov DI, Roland J, Chatelet PF, Cywiner-Golenzner C: An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions, 875 (Oc)  
 Diomedei Camassei F see Bosman C  
 Dionigi A see Facco C  
 Djabourian R, Sathiyavagiswaran L, Fishbein MC: Forensic autopsy in a pathology training program, 750 (Au)  
 Dobashi Y, Nasuno S, Noguchi T, Kameya T: Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement, 1116 (De)  
 Dodson RE, Huang J, Williams MG, Bruce JR, Hammar SP: Lack of asbestos contamination of paraffin, 1103 (De)  
 Dorfman DM see Longtine JA; Montes MA  
 Dorion RP, Hamati HE, Landis B, Frey C, Heydt D, Carey D: Risk and clinical significance of developing antibodies induced by topical thrombin preparations, 887 (Oc)  
 Dottino P see Kalir T  
 Drachenberg CB, Ioffe OB, Papaimitriou JC: Detection of apoptosis using hematoxylin-eosin [reply] 493 (Je)  
 Dry SM, Renshaw AA: Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma, 260 (Mr)  
 Dubois S see Mosnier J-F  
 Dumas A, Thung SN, Lin C-S: Diffuse hyperplasia of the peribiliary glands, 87 (Ja)  
 Dunphy CH see Brink DS  
 Dunphy CH, Bee C, McDonald JW, Grosso LE: Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue, 84 (Ja)  
 Dunphy CH, Lattuada CP Jr: Follicular center cell lymphoma with an extremely high content of T cells: case report with useful diagnostic techniques, 936 (Oc)  
 Dupont WD see Page DL

## E

Edge SB see Zhang PJ  
 Eimoto T see Tateyama H  
 El-Zimaity HMT, Ota H, Scott S, Killen DE, Graham DY: A new triple stain for *Helicobacter pylori* suitable for the autostainer: carbol fuchsin/Alcian blue/hematoxylin-eosin, 732 (Au)  
 Eldar S see Bejar J

Emre S see Walsh MM  
 Engel P see Arizabalaga P  
 Erlinger S see Mosnier J-F  
 Estep J see Zauha GM

## F

Facco C, La Rosa S, Dionigi A, Uccella S, Riva C, Capella C: High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases, 828 (Se)  
 Fairweather RB, Ansell J, van den Besselaar AMHP, Brandt JT, Bussey HI, Poller L, Triplett DA, White RH: College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy, 768 (Se)  
 Fanaroff AA see Redline RW  
 Farhi DC, Luebbels EL, Rosenthal NS: Bone marrow biopsy findings in childhood anemia: prevalence of transient erythroblastopenia of childhood, 638 (Jy)  
 Farrell MA see Brett FM  
 Fatteh SM see Nowak MA  
 Fehd RJ see Astles JR  
 Fenoglio-Preiser CM see Lyda MH  
 Fernandes H see Mack R  
 Ferrans VJ see Usuki J  
 Fiel MI see Walsh MM  
 Fierro MF see Randall BB  
 Filipowicz EA see Mohammad AA  
 Fischer AH, Wallace VL, Keane TE, Clarke HS: Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations, 903 (Oc)  
 Fischler DF see Prayson RA  
 Fishbein MC see Djabourian R  
 Fisher MS Jr, Rush WL, Rosado-de-Christenson ML, Goldstein ER, Tomsik SM, Wempe JM, Travis WD: Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent, 156 (Fe) 156 (Fe); correction, 446 (My)  
 Fitzgibbons PL, Henson DE, Hutter RVP, for the Cancer Committee of the College of American Pathologists: Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement, 1053 (De)  
 Flowers MB, Ho K-J: A rare common hepatic duct diverticulum causing fatal biliary obstruction and sepsis, 197 (Fe)  
 Foley EE, Gaffey MJ, Frierson HF Jr: The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon, 912 (Oc)  
 Forensic Pathology Committee, College of American Pathologists see Randall BB  
 Fox EA see Montes MA  
 Frey C see Dorion RP  
 Frey CF see Deckard-Janatpour K  
 Friedlander AM see Zauha GM  
 Frierson HF Jr see Foley EF  
 Frkovic-Grazio S see Lamovec J  
 Froede RC: The Pathology of Drug Abuse (Book Review) 102 (Ja)  
 Froede RC see Randall BB  
 Fukaya M see Yokoi T  
 Funkhouser WK see Creager AJ

## G

Gabarré J see Charlotte F  
 Gaffey MJ see Foley EF  
 Gaffney EF see Staunton MJ  
 Gal AA: Katzenstein and Askin's Surgical Pathology of Non-Neoplastic Lung Disease (Major Problems in Pathology) (Book Review) 566 (Je)  
 Galera-Davidson H see González-Cámpora R  
 García-Santana JA see González-Cámpora R  
 Gaunt EE see Shahangian S  
 Genest DR, Dean B, Lee KR, Sheets E, Crum CP, Cibas ES: Qualifying the cytologic diagnosis of "atypical squamous cells of undetermined significance" affects the predictive value of a squamous intraepithelial lesion on subsequent biopsy, 338 (Ap)  
 Ghanee N see Majumdar B  
 Ghinelli F see Tinari N  
 Gianani R see Pomper GJ  
 Gil J see Kalir T  
 Gilcrease MZ, Delgado R, Albores-Saavedra J: Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation, 907 (Oc)  
 Gilcrease MZ, Nelson FS, Guzman-Paz M: Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms, 644 (Jy)  
 Giles A see Olson JD

Giltman LE: Lever's Histopathology of the Skin (Book Review) 288 (Mr)  
 Glenn GC see Simon TL  
 Goldstein ER see Fisher MS Jr  
 Goldstein M see Kalir T  
 González-Cámpora R, García-Santana JA, Jordà i Heras M-M, Salavarría CO, Vázquez-Ramírez F-J, Argueta-Manzano O-E, Galera-Davidson H: Blood group antigens in differentiated thyroid neoplasms, 957 (No)  
 Gonzalez-Gomez I see Monforte-Muñoz H  
 Goodnight SH see Laposata M  
 Gordon R see Kalir T  
 Gould SA see Simon TL  
 Govender D, Pillay P: Primary myxoid liposarcoma with rhabdomyoblastic differentiation, 740 (Au)  
 Graham D see Majumdar B  
 Graham DY see El-Zimaity HMT  
 Gray RZ see Cowan DF  
 Grayson W, Hale MJ: Epithelioid psammomatous melanotic schwannoma with osseous metaplasia, 285 (Mr)  
 Green D see Laposata M  
 Greenberg CS see Hursting MJ  
 Griffiths J see Homburger HA  
 Grizzle WE, Aamodt R, Clausen K, Li-Volsi V, Pretlow TG, Qualman S: Providing human tissues for research: how to establish a program, 1065 (De)  
 Grøben P: Pathology of the Skin With Clinical Correlations (Book Review) 102 (Ja)  
 Groisman GM, Amar M, Weiner P, Zamir D: Mucicarmophilic histiocytosis (benign signet-ring cells) and hyperplastic mesothelial cells: two mimics of metastatic carcinoma within a single lymph node, 282 (Mr)  
 Grossi N: Cytopathology of the Uterus (Book Review) 660 (Jy)  
 Grosso LE see Brink DS; Dunphy CH  
 Gschwendner A, Neher A, Kreczy A, Müller-Holzner E, Volgger B, Mairinger T: DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification, 1000 (No)  
 Gudiol F see Aranda M  
 Guerra L see Tinari N  
 Guerriere-Kovach P see Nowak MA  
 Gulati P, Sun NC, Herman BK, Said JW, Cornford ME: Isolated leptomeningeal Castleman's disease with viral particles in the follicular dendritic cells, 1026 (No)  
 Gulley ML: Molecular Diagnostics for the Clinical Laboratory (Book Review) 379 (Ap)  
 Gumerlock PH see Deckard-Janatpour K  
 Gutierrez Y: Clinical Parasitology: A Practical Approach (Book Review) 568 (Je)  
 Guzman-Paz M see Gilcrease MZ

## H

Haas JE see Rabah R  
 Haase AT see Locher CP  
 Hack M see Redline RW  
 Hadden JW see Meneses A  
 Hahn M see Cannon TC  
 Hale MJ see Grayson W  
 Hamati HF see Dorion RP  
 Hammar SP see Djabourian R  
 Han Z-Q see Davis KD  
 Hano H, Cui S, Ushigome S, Kotajima F, Sato T: Papillary adenocarcinoma arising in placental bullous lesion of the lung: report of a case with immunohistochemical study, 915 (Oc)  
 Hano T see Jing X  
 Haraguchi M see Hasegawa H  
 Haratake A see Itoh S  
 Harrison CR see Simon TL  
 Hasegawa H, Mori M, Haraguchi M, Ueo H, Sugimachi K, Akiyoshi T: Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma, 551 (Je)  
 Hasegawa T, Shimoda T, Hirohashi S, Hizawa K, Sano T: Collagenous fibroma (desmoplastic fibroblastoma): report of four cases and review of the literature, 455 (My)  
 Hashimoto H see Hiseoka M  
 Hattori H see Tateyama H  
 Heal JM see Blumberg N  
 Hearn T see Rosner E  
 Hearn TL see Astles JR  
 Hegele RG: *Escherichia coli*: Mechanisms of Virulence (Book Review) 481 (My)  
 Henson DE see Burke HB; Fitzgibbons PL  
 Herman BK see Gulati P  
 Herdier BG see Locher CP  
 Heydt D see Dorion RP  
 Higuchi Y see Nasu K  
 Hilborne LH: Examining amended reports in surgical pathology, 301 (Ap)  
 Hirany SV see Hoang MP

Hirohashi S see Hasegawa T  
 Hirota S see Tunio GM  
 Hisaoka M, Hashimoto H, Iwamasa T: Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioidendothelioma and Kaposi's sarcoma, 72 (Ja)  
 Hizawa K see Hasegawa T  
 Ho K-J see Flowers MB  
 Hoang ME, Hirany SV, Parupia J, Davaraj S, Jialal I: Comparison of 2 homogeneous high-density lipoprotein cholesterol assays, 1005 (No)  
 Hoffman HT see Raab SS  
 Hoffman S see Strobl FJ  
 Homburger HA, Cahen YD, Griffiths J, Jacob GL: Detection of antinuclear antibodies: comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods, 993 (No)  
 Horiba K see Usuki J  
 Horowitz IR see Majmudar B  
 Houck JR Jr see Min K-W  
 Howanitz PJ see Schifman RB  
 Hsu RM see Chang C-C  
 Hsueh C, Kuo T: Congenital malignant rhabdoid tumor presenting as a cutaneous nodule: report of 2 cases with review of the literature, 1099 (De)  
 Hu B, Pant M, Cornford M, Walot I, Peng S-K: Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature, 97 (Ja)  
 Huang C-C, Ko S-E, Chuang J-H, Chen W-J: Lipoblastoma combined with intestinal neuronal dysplasia, 191 (Fe)  
 Huang J see Dodson RF  
 Hubbard GB see Locher CP  
 Huber S see Strobl FJ  
 Huffman HT see Cerilli LA  
 Hursting MJ, Slaughter TE, Stead AG, Szcwzyk KM, Witt DJ, Greenberg CS: Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection, 31 (Ja)  
 Hutter RVP see Fitzgibbons PL  
 Hytioglu P see Walsh MM

I

Iacobelli S see Tinari N  
 Ibegbu C see Kourits AP  
 Ichihara S see Yokoi T  
 Ikari H see Ito M  
 Ikeda T, Satoh M, Azuma K, Sawada N, Mori M: Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies, 555 (Je)  
 Imperato PJ, Waisman J, Nenner RP: Radical prostatectomy specimens among Medicare patients in New York State: a review of pathologists' reports, 966 (No)  
 Inoue YK see Ito M  
 Ip MFC see Chang C-C  
 Irie K see Itoh S  
 Ishak KG see Walsh MM  
 Ito M, Nishibe Y, Inoue YK: Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba, 520 (Je)  
 Ito M, Sugamura Y, Ikari H, Sekine I: Angiomyolipoma of the lung, 1023 (No)  
 Itoh S, Irie K, Nakamura Y, Ohta Y, Haratake A, Morimatsu M: Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine, 333 (Ap)  
 Iutraspe JA see Almasri NM  
 Ivins BE see Zaucha GM  
 Iwamasa T see Hisaoka M

J

Jacob GL see Homburger HA  
 Jacobs W, Dhaene K, Van Marck E: Tyramine-amplified immunohistochemical testing using "homemade" biotinylated tyramine is highly sensitive and cost-effective, 642 (Jy)  
 Jialal I see Hoang ME  
 Jin XM see Matsui K  
 Jing X, Yokoi T, Nakamura Y, Nakamura M, Shan L, Tomimoto S, Hano T, Kakudo K: Pulmonary capillary hemangiomatosis: a unique feature of congestive vasculopathy associated with hypertrophic cardiomyopathy, 94 (Ja)  
 Johansson SL: Urologic Surgical Pathology (Book Review) 199 (Fe)  
 Johnson MH see Lane RB Jr  
 Johnson RC see Tsongalis GJ  
 Johnson RL see Latkovich P

Johnston RJ see Pomper GJ  
 Jones BA see Novis DA  
 Jones FGC see McCluggage WG  
 Jordà i Heras M-M see González-Cámpora R

K

Kahn DG: Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies, 375 (Ap)  
 Kahn DG: Rhabdomyosarcoma mimicking acute leukemia [reply] 1047 (De)  
 Kahn E see Popiolek DA  
 Kakudo K see Jing X; Yokoi T  
 Kalir T: Effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [reply] 1046 (De)  
 Kalir T, Goldstein M, Dottino P, Brodman M, Gordon R, Deligdisch L, Wu H, Gil J: Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas, 442 (My)  
 Kameya T see Dobashi Y  
 Kampalath BN, McMahon JT, Cohen A, Tomashefski JF Jr, Kleinerman J: Obliterative central bronchitis due to mineral dust in patients with pneumoconiosis, 56 (Ja)  
 Kanarek NF see Weitzman JB  
 Kang GH see Yoon GS  
 Kapadia SB see Soontornniyomkij V  
 Kaplan HS see Battles JB  
 Kashihara K: Detection of apoptosis using hematoxylin-eosin [letter] 493 (Je)  
 Kasuga Y see Maruyama M  
 Kato R see Maruyama M  
 Keane TE see Fischer AH  
 Kepes JJ: Rosenthal fibers in a classic acoustic schwannoma [letter] 673 (Au)  
 Khan A, Krishna M, Baker SE, Malhotra R, Banner BF: Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer, 172 (Fe)  
 Killen DE see El-Zimaity HMT  
 Kim OJ see Yoon GS  
 Kimura M, McGinnis MR: Fontana-Masson-stained tissue from culture-proven mycoses, 1107 (De)  
 Kimura M, Schnadig VJ, McGinnis MR: Chlamydia pneumoniae infection in cytomegalovirus due to *Rhizopus* species, 1120 (De)  
 King M see Brett FM  
 Kirk JD see Kost GJ (two citations)  
 Kistler D see Cannon TC  
 Kitagawa M see Matsui K  
 Kitamura Y see Terada T  
 Kitamura Y see Tunio GM  
 Kitano M see Li T-J  
 Klatt EC, Dennis SE: Web-based pathology education, 475 (My)  
 Kleinerman J see Kampalath BN  
 Klump SA see Schwartz DA  
 Ko S-F see Huang C-C  
 Kobayashi S see Maruyama M  
 Kobrynski L see Kourits AP  
 Koepke JA see Olson JD  
 Kost GJ, Kirk JD, Omand K: A strategy for the use of cardiac injury markers in the diagnosis of acute myocardial infarction [reply] 950 (No)  
 Kost GJ, Kirk JD, Omand K: A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction, 245 (Mr)  
 Kotajima F see Hano H  
 Kourits AP, Abramowsky C, Ibegbu C, Kobrynski L: Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy, 562 (Je)  
 Kragel S see Deckard-Janatpour K  
 Kreczy A see Gschwendtner A  
 Krishna M see Khan A  
 Krolak JM see Shahangian S  
 Kuo T see Hsueh C  
 Kupsky WJ see Rabah R  
 Kyriazis AA see Kyriazis AP  
 Kyriazis AP, Kyriazis AA: Primary rhabdomyosarcoma of the female breast: report of a case and review of the literature, 747 (Au)

L

La Rosa S see Facco C  
 Lackner R see Bridge JA  
 Lam KY, Lo CY: Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients, 37 (Ja)

Lamovec J, Frković-Grazio S, Bračko M: Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma, 63 (Ja)  
 Landing BH see Monforte-Muñoz H  
 Landis B see Dorion RP  
 Lane CG see Lane RB Jr  
 Lane RB Jr, Lane CG, Mangold KA, Johnson MH, Allsbrook WC Jr: Needle biopsies of the prostate: what constitutes adequate histologic sampling? 833 (Se)  
 Laposata M, Green D, Van Cott EM, Barrowcliffe TW, Goodnight SH, Sosolik RC: College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban, 799 (Se)  
 Latkovich P, Johnson RL: Carcinosarcoma of the parotid gland: report of a case with cytohistologic and immunohistochemical findings, 743 (Au)  
 Lattuada CP Jr see Dunphy CH  
 Lauring BP, Hoda SA: Tumors of the Adrenal and Extra-Adrenal Paraganglia (Atlas of Tumor Pathology, third series, fascicle 19) (Book Review) 480 (My)  
 Law D see Phillips DR  
 Lee KR see Genest DR  
 Leech RW see Cannon TC  
 Leitch GJ see Croppo GP  
 Leslie K see Tubbs RR  
 Levy JA see Locher CP  
 Li T-J, Kitano M, Arimura K, Sugihara K: Recurrence of unicystic ameloblastoma: a case report and review of the literature, 371 (Ap)  
 Li W-X see Tateyama H  
 Lin BF-Y: Human T-cell lymphotropic virus-1-positive T-cell leukemia/lymphoma [reply] 583 (Jy)  
 Lin C-S see Dumas A  
 Linder J see Bridge JA  
 Linder J, Zahniser D: ThinPrep Papanicolaou testing to reduce false-negative cervical cytology, 139 (Fe)  
 Linfert DR see Tsongalis GJ  
 Lipman HB see Astles JR  
 Litovsky SH, Rose AG: Clinicopathologic heterogeneity in hypertrophic cardiomyopathy with regard to age, asymmetric septal hypertrophy, and concentric hypertrophy beyond the pediatric age group, 434 (My)  
 LiVolsi V see Grizzle WE  
 Lo CY see Lam KY  
 Locher CP, Barnett SW, Herndier BG, Blackburn DJ, Reyes-Terán G, Murthy KK, Brasky KM, Hubbard GB, Reinhart TA, Haase AT, Levy JA: Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans, 523 (Je)  
 Lones MA, Lopez-Terrada D, Shintaku IP, Rosenthal J, Said JW: Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization, 708 (Au)  
 Longtine JA see Montes MA  
 Longtine JA, Dorfman DM: Testing for resistance to activated protein C factor V R506Q [reply] 1046 (De)  
 Lopez-Terrada D see Lones MA  
 Loring P see Brett FM  
 Lubbers EL see Farhi DC  
 Lyda MH, Fenoglio-Preiser CM: Adenoma-carcinoid tumors of the colon, 262 (Mr)

M

Mack R, Albanese E, Fernandes H: Testing for resistance to activated protein C factor V R506Q [letter] 1046 (De)  
 Mai KT, Perkins DG, Yazdi HM, Commons AS, Thomas J, Meban S: Infiltrating papillary thyroid carcinoma: review of 134 cases of papillary carcinoma, 166 (Fe)  
 Maia DM: Rosen's Breast Pathology (Book Review) 480 (My)  
 Maia DM see Creager AJ  
 Mairinger T see Gschwendtner A  
 Majmudar B, Ghanee N, Horowitz IR, Graham D: Uterine arteriovenous malformation necessitating hysterectomy with bilateral salpingo-oophorectomy in a young pregnant patient, 842 (Se)  
 Malhotra R see Khan A  
 Mangold KA see Lane RB Jr  
 Mann KG: College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997, 809 (Se)  
 Mann KG see Bovill EG  
 Mansour G see Charlotte F  
 Marcellin P see Mosnier J-F  
 Markowitz J see Popiolek DA  
 Marti C see Aranda M



Martinot-Peignoux M see Mosnier J-F

Maruyama M, Kato R, Kobayashi S, Kasuga Y: A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins, 715 (Au)

Matsui K, Jin XM, Kitagawa M, Miwa A: Clinicopathologic features of neuroendocrine carcinomas of the stomach: appraisal of small cell and large cell variants, 1010 (No)

Matsui N see Nasu K

Matsunaga Y see Terada T

May LS see Davis KD

Mayne EE see McCluggage WG

McAndrew PE see Bartolo C

McCarron KE, Prayson RA: The neuropathology of orthotopic liver transplantation: an autopsy series of 16 patients, 726 (Au)

McClatchey KD: The *Archives of Pathology & Laboratory Medicine*: a new beginning, 399 (My)

McCluggage WG, Boyd HK, Jones FGC, Mayne EE, Bharucha H: Mediastinal granulocytic sarcoma: a report of two cases, 545 (Je)

McClure HM see Schwartz DA

McDonald JM, Brossette S, Moser SA: Pathology information systems: data mining leads to knowledge discovery, 409 (My)

McDonald JW see Dunphy CH

McGinnis MR see Kimura M (two citations)

McLendon WW: Kenneth D. McClatchey, DDS, MD: the seventh editor of the *Archives of Pathology & Laboratory Medicine*, 397 (My)

McMahon JT see Kampalath BN

Meban S see Mai KT

Medeiros LJ see Vasef MA

Mehta KU: Human T-cell lymphotropic virus-1-positive T-cell leukemia/lymphoma [letter] 582 (Jy)

Meier F see Valenstein P

Meier FA see Schiffman RB

Meneses A, Verastegui E, Barrera JL, Zinser J, de la Garza J, Hadden JW: Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery, 447 (My)

Michael H see Simpson JL

Milam JD see Simon TL

Miller DC: Use of perfusion fixation for improved neuropathologic examination [letter] 949 (No)

Miller WG see Ross JW

Min BH see Deckard-Janatpour K

Min K-W, Houck JR Jr, for the Members of the Cancer Committee, College of American Pathologists, and the Task Force for Protocols on the Examination of Specimens From Patients With Carcinomas of the Upper Aerodigestive Tract: Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx, 222 (Mr)

Misselevich I see Bejar J

Miwa A see Matsui K

Miyakawa I see Nasu K

Mohammad AA, Filipowicz EA: Clinical Chemistry: Theory, Analysis, and Correlation (Book Review) 752 (Au)

Mohammad F see Zheng Y

Moise KJ Jr see Simon TL

Monforte-Muñoz H, Gonzalez-Gomez I, Rowland JM, Landing BH: Increased submucosal nerve trunk caliber in angiodysplasia: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease, 721 (Au)

Montes MA, Fox EA, Longtine JA, Dorfman DM: Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients, 325 (Ap)

Mori M see Hasegawa H

Mori M see Ikeda T

Morimatsu M see Itoh S

Morris HH III see Prayson RA

Moser SA see McDonald JM

Mosnier J-F, Pham B-N, Scoazec J-Y, Dubois S, Marcellin E, Martinot-Peignoux M, Degos F, Erlinger S, Degott C: Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C, 416 (My)

Moss J see Usuki J

Müller-Holzner E see Gschwendtner A

Murase T see Taleyama H

Murata-Collins JL see Vasef MA

Murthy KK see Locher CP

Myers GL see Ross JW

## N

Nagle R see Tubbs RR

Nakamura M see Jing X

Nakamura Y see Itoh S

Nakamura Y see Jing X

Nakhleh RE, Zarbo RJ: Amended reports in surgical pathology and implications for diagnostic error detection and avoidance: a College of American Pathologists Q-Probes study of 1667547 accessioned cases in 359 laboratories, 303 (Ap)

Nangia R see Zhang PJ

Narahara H see Nasu K

Nasu K, Matsui N, Narahara H, Tanaka Y, Takai N, Miyakawa I, Higuchi Y: MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1, 836 (Se)

Nasuno S see Dobashi Y

Natoli C see Tinari N

Neher A see Gschwendtner A

Nelson FS see Gilcrease MZ

Nelson JS see Burger PC [two citations]

Nenner RP see Imperato PJ

Nishibe Y see Ito M

Nochomovitz LE: Application of synoptic reports [letter] 493 (Je)

Noguchi T see Dobashi Y

Nomura S see Tunio GM

Novak RW see Starkham DM

Novis DA, Jones BA: Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals, 495 (Je)

Novis DA, Zarbo RJ, Saladino AJ: Interinstitutional comparison of surgical biopsy diagnosis turnaround time: a College of American Pathologists Q-Probes study of 5384 surgical biopsies in 157 small hospitals, 951 (No)

Nowak M, Deppisch L: Giant heterotopic gastric polyp in the jejunum, 90 (Ja)

Nowak MA, Fatteh SM, Campbell TE: Glycogen-rich malignant melanomas and glycogen-rich balloon cell malignant melanomas: frequency and pattern of PAS positivity in primary and metastatic melanomas, 353 (Ap)

Nowak MA, Guerriere-Kovach P, Pathan A, Campbell TE, Deppisch LM: Perianal Paget's disease: distinguishing primary and secondary lesions using immunohistochemical studies including gross cystic disease fluid protein-15 and cytokeratin 20 expression, 1077 (De)

## O

O'Brian S see Wester T

O'Connell JX: Bullough and Vigorita's Orthopaedic Pathology (Book Review) 103 (Ja)

O'Toole RV: Color Atlas of Obstetric and Gynecologic Pathology (Book Review) 379 (Ap)

Ohta T see Terada T

Ohta Y see Itoh S

Olson JD, Arkin CF, Brandt JT, Cunningham MT, Giles A, Koepke JA, Witte DL: College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy, 782 (Se)

Omand K see Kost GJ (two citations)

Ortona L see Tinari N

Ota H see El-Zimaity HMT

## P

Page DL, Dupont WD: Benign breast diseases and premalignant breast disease, 1048 (De)

Pant M see Hu B

Parham DM, Pinto A, Tallini G, Novak RW: Rhabdomyosarcoma mimicking acute leukemia [letter] 1047 (De)

Parupia J see Hoang MP

Pascal RR: Tumors of the Esophagus and Stomach (Atlas of Tumor Pathology, third series, fascicle 18) (Book Review) 104 (Ja)

Pathan A see Nowak MA

Pawel BR, de Chadarevian J-P, Smergel EM, Weintraub WH: Teratoid Wilms tumor arising as a botryoid growth within a supernumerary ectopic ureteropelvic structure, 925 (Oc)

Peng S-K see Hu B

Perkins DG see Mai KT

Pettigrew NM see Tubbs RR

Pham B-N see Mosnier J-F

Phillips D see Bovill EG

Phillips DR, Law D, Scarborough RM: College of Ameri-

can Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb/IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions, 811 (Se)

Piazza M see Tinari N

Pillay P see Govender D

Pinto A see Parham DM

Piro FR see Bosman C

Pitt LM see Zaucha GM

Plous RH: Clinical Laboratory Management (Book Review) 200 (Fe)

Plous RH: Quality of care [letter] 583 (Jy)

Poller L see Fairweather RB

Pomper GJ, Gianani R, Johnston RJ, Rizeq MN: Cardiac angiosarcoma: an unusual presentation with cutaneous metastases, 273 (Mr)

Popiolek DA, Kahn E, Procaccino JA, Markowitz J: Nodular neuronal hyperplasia: a distinct morphologic type of pseudopolyp in inflammatory bowel disease, 194 (Fe)

Præstgaard J see Ross JW

Prayson RA see McCarron KE

Prayson RA, Fischler DF: Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens, 47 (Ja)

Prayson RA, Morris HH III: Anaplastic pleomorphic xanthoastrocytoma, 1082 (De)

Prayson RA, Wang N: Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome, 978 (No)

Pretlow TG see Grizzle WE

Prior TW see Bartolo C

Procaccino JA see Popiolek DA

Pujol R see Aranda M

Puri P see Wester T

## Q

Qualman S see Grizzle WE

Quintó L see Arrizabalaga P

## R

Raab SS: Mucinous tumors of the ovary [reply] 582 (Jy)

Raab SS, Sigman JD, Hoffman HT: The utility of parotid gland and level I and II neck fine-needle aspiration, 823 (Se)

Rabab R, Kupsky WJ, Haas JE: Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome, 1030 (No)

Randall BB, Fierro ME, Froede RC, for the Members of the Forensic Pathology Committee, College of American Pathologists: Practice guideline for forensic pathology, 1056 (De)

Rank JE, Rostad SW: Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies, 366 (Ap)

Redline RW, Wilson-Costello D, Borawski E, Fanaroff AA, Hack M: Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants, 1091 (De)

Reinhart TA see Locher CP

Reisner RM see Zhang PJ

Reller LB see Chuard C

Renshaw AA see Dry SM

Reyes-Teran G see Locher CP

Rhodes RH: The year 2000 problem for pathology [letter] 583 (Jy)

Ricci A Jr see Tsongalis GJ

Rickert RR see Tubbs RR

Riggs MW see Slovacek KJ

Riva C see Facco C

Rizeq MN see Pomper GJ

Roberts CA see Bridge JA

Roche PC see Tubbs RR

Rodriguez FR Jr see Simon TL

Roland J see Dikov DI

Romeo R see Bosman C

Rosado-de-Christenson ML see Fisher MS Jr

Rose AG see Litovsky SH

Rosenthal J see Lones MA

Rosenthal NS see Farhi DC

Rosner E, Siragusa M, Schalla W, Cross D, Cohn R, Hearn T: Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program, 512 (Je)

Rosner F: Research and training on the newly dead [reply] 213 (Mr)

Ross DW: Current Protocols in Cytometry (Book Review) 660 (Jy)

Ross DW: Infectious vaccines, 100 (Ja)

Ross JS: *Helicobacter pylori* Protocols (Methods in Molecular Medicine) (Book Review) 482 (My)

Ross JW, Miller WG, Myers GL, Praestgaard J: The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods, 587 (Jy)

Rostad SW see Rank JP  
Roth LM see Billings SD; Simpson JL  
Rowland JM see Monforte-Muñoz H  
Ruebner BH see Deckard-Janatpour K  
Rush WL see Fisher MS Jr

## S

Sabo E see Bejar J  
Said JW see Gulati P; Lones MA; Tubbs RR  
Saladino AJ see Novis DA  
Salavarrí CO see González-Cámpora R  
Sano T see Hasegawa T  
Saponara M see Bosman C  
Sathyavagiswaran L see Djabourian R  
Sato T see Hano H  
Satoh M see Ikeda T  
Sawada N see Ikeda T  
Scarborough RM see Phillips DR  
Schaffner F see Bach N  
Schalla W see Rosner E  
Schalla WO see Astles JR  
Schifman RB, Strand CL, Meier FA, Howanitz PJ: Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497 134 specimens from adult patients, 216 (Mr)  
Schnadig VJ see Kimura M  
Schoenhals GW see Cannon TC  
Schwartz DA see Cropp GP  
Schwartz DA, Anderson DC, Klump SA, McClure HM: Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bieneisi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*), 423 (My)  
Scocaz J-Y see Mosnier J-F  
Scott S see El-Zimaity HMT  
Sekine I see Ito M  
Shahangian S, Krolak JM, Gaunt EE, Cohn RD: A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design, 503 (Je)  
Shahangian S: Proficiency testing in laboratory medicine [letter] 674 (Au)  
Shahangian S: Proficiency testing in laboratory medicine: uses and limitations, 15 (Ja)  
Shan L see Jing X  
Shea CE see Battles JB  
Sheets E see Genest DR  
Sherman LA see Simon TL  
Shimoda T see Hasegawa T  
Shintaku IP see Lones MA  
Shulman IA see Simon TL  
Siegel D see Walsh MM  
Sighinolfi L see Tinari N  
Sigan JD see Kaab SS  
Simon TL, Alverson DC, AuBuchon J, Cooper ES, DeChristopher PJ, Glenn GC, Gould SA, Harrison CR, Milam JD, Moise KJ Jr, Rodwig FR Jr, Sherman LA, Shulman IA, Stehling L: Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists, 130 (Fe)  
Simpson JL, Michael H, Roth LM: Unclassified sex cord-stromal tumors of the ovary: a report of eight cases, 52 (Ja)  
Siragusa M see Rosner E  
Slaughter TF see Hursting MJ  
Slovacek KJ, Riggs MW, Spiekerman AM, Speights VO Jr: Use of age-specific normal ranges for serum prostate-specific antigen, 330 (Ap)  
Smergel EM see Pawel BR  
Smialek JE see Weitzman JB  
Smith C see Astles JR  
Sobin LH see Compton C  
Soh S see Woods JE  
Solé M see Arrizabalaga P  
Solen KA see Zheng Y  
Solomon HM see Trainor LD  
Soontornniyomkij V, Wang G, Kapadia SB, Achim CL, Wiley CA: Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1, 534 (Je)  
Soslilik RC see Bartolo C  
Soslilik RC see Laposata M  
Speights VO Jr see Slovacsek KJ  
Spiekerman AM see Slovacsek KJ  
Sriha B see Charlotte F

Stanton MJ, Gaffney EF: Apoptosis: basic concepts and potential significance in human cancer, 310 (Ap)

Stead AG see Hursting MJ  
Stehling L see Simon TL  
Steinberg JP see Trainor LD  
Steindel SJ see Dale JC  
Steindel SJ, Tetrault G: Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 505 hospital laboratories, 401 (My)  
Strand CL see Schiffman RB  
Strobl FJ, Hoffman S, Huber S, Williams EC, Voelkerding KV: Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma, 430 (My)  
Sugamura Y see Ito M  
Sugihara K see Li TJ  
Sugimachi K see Hasegawa H  
Sun NC see Gulati P  
Szewczyk KM see Hursting MJ

## T

Tada T see Tatemura H  
Takahashi Y see Yokoi T  
Takai N see Nasu K  
Tallini G see Parham DM  
Tamburrini E see Tinari N  
Tanaka Y see Nasu K  
Task Force for Protocols on the Examination of Specimens From Patients With Carcinomas of the Upper Aerodigestive Tract see Min K-W  
Task Force for Protocols on the Examination of Specimens From Patients With Gastric Cancer see Compton C  
Tatemura H, Tada T, Hattori H, Murase T, Li W-X, Eimoto T: Effects of pre-fixation and fixation times on apoptosis detection by in situ end-labeling of fragmented DNA, 252 (Mr)  
Teplitz RL see Deckard-Janatpour K  
Terada T, Ohta T, Kitamura Y, Ashida K, Matsunaga Y: Cell proliferative activity in intraductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study, 42 (Ja)  
Tetrault G see Steindel SJ  
Thomas J see Mai KT  
Thung SN see Bach N; Dumas A; Walsh MM  
Tinari N, Natoli C, D'Ostilio N, Ghinelli F, Sighinolfi L, Ortona L, Tamburrini E, Piazza M, Chiriacchi A, Guerra L, Di Gregorio P, Iacobelli S: 90K (Mac-2 BP) predicts CD4 decline in human immunodeficiency virus-infected patients with CD4 counts above  $200 \times 10^6$  cells/L, 178 (Fe)  
Tomashefski JF Jr see Kampilath BN  
Tomimoto S see Jing X  
Tomita Y see Yokoi T  
Tomsik SM see Fisher MS Jr  
Trainor LD, Steinberg JP, Austin GW, Solomon HM: Indinavir crystalluria: identification of patients at increased risk of developing nephrotoxicity, 256 (Mr)  
Travis WD see Fisher MS Jr  
Triplett DA see Fairweather RB  
Tsongalis GJ, Linfert DR, Johnson RC, Ackroyd R, Beriman MM, Ricci A Jr: Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient, 548 (Je)  
Tubbs RR: Epithelial Tumors of the Thymus: Pathology, Biology, Treatment (Book Review) 481 (My)  
Tubbs RR: Introduction to Molecular Medicine (Book Review) 289 (Mr)  
Tubbs RR: The Renal Biopsy (Major Problems in Pathology) (Book Review) 288 (Mr)  
Tubbs RR, Abbott D: Analyte-specific reagents and the clinical laboratory, 585 (Jy)  
Tubbs RR, Nagle R, Leslie K, Pettigrew NM, Said JW, Corwin DJ, Rickert RR, Roche PC, for the Cell Markers Committee of the College of American Pathologists: Extension of useful reagent shelf life beyond manufacturers' recommendations, 1051 (De)  
Tunio GM, Hirota S, Nomura S, Kitamura Y: Possible relation of osteopontin to development of psammoma bodies in human papillary thyroid cancer, 1087 (De)

## U

Uccella S see Facco C  
Ueo H see Hasegawa H  
Ushigome S see Hano H  
Usuki J, Horiba K, Chu SC, Moss J, Ferrans VJ: Immunohistochemical analysis of proteins of the bcl-2 family in pulmonary lymphangiomatosis: association of bcl-2 expression with hormone receptor status, 895 (Oc)

## V

Valenstein P, Meier F: Urine culture contamination: a College of American Pathologists Q-Probes study of contaminated urine cultures in 906 institutions, 123 (Fe)  
Vamvakas EC: Meta-analyses of studies of the diagnostic accuracy of laboratory tests: a review of the concepts and methods, 675 (Au)  
Vamvakas EC, Carven JH: Allogeneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection, 145 (Fe)  
Van Cott EM see Laposata M  
van den Besselaar AMHP see Fairweather RB  
Van der Schaaf TW see Battles JB  
Van Marck see Jacobs W  
Vasef MA, Murata-Collins JL, Alsabeh R, Medeiros LJ: Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature, 77 (Ja)  
Vásquez-Ramírez F-J see González-Cámpora R  
Verastegui E see Meneses A  
Vinson DG see Aydin F  
Visvesvara GS see Cropp GP  
Vlasuk G see Bovill EG  
Vlasuk GP: College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues, 812 (Se)  
Voelkerding KV see Strobl FJ  
Volgger B see Gschwendtner A  
Vrobel T see Chang C-C

## W

Waisman J see Imperato PJ  
Walker C see Bridge JA  
Wallace S see Cropp GP  
Wallace VL see Fischer AH  
Walot I see Hu B  
Walsh M see Dale JC  
Walsh MM, Hytioglou P, Thung SN, Fiel MI, Siegel D, Emre S, Ishak KG: Epithelioid hemangioendothelioma of the liver mimicking Budd-Chiari syndrome, 846 (Se)  
Wang G see Soontornniyomkij V  
Wang N see Prayson RA  
Washington JA: Urine culture contamination, 120 (Fe)  
Weiner P see Groisman GM  
Weintraub WH see Pawel BR  
Weitzman JB, Kanarek NE, Smialek JE: Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies, 691 (Au)  
Wempe JM see Fisher MS Jr  
Wester T, O'Brian S, Puri P: NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material, 461 (My)  
Wheeler TM see Woods JE  
White RH see Fairweather RB  
Wiley CA see Soontornniyomkij V  
Williams EC see Strobl FJ  
Williams MG see Dodson RF  
Wilson PR: A strategy for the use of cardiac injury markers in the diagnosis of acute myocardial infarction [letter] 950 (No)  
Wilson-Costello D see Redline RW  
Witt DJ see Hursting MJ  
Witte DL see Olson JD  
Woods JE, Soh S, Wheeler TM: Distribution and significance of microcalcifications in the neoplastic and non-neoplastic prostate, 152 (Fe)  
Wu H see Kalir T

## Y

Yazdi HM see Mai KT  
Yokoi T see Jing X  
Yokoi T, Tomita Y, Fukaya M, Ichihara S, Kakudo K, Takahashi Y: Pulmonary hypertension associated with systemic lupus erythematosus: predominantly thrombotic arteriopathy accompanied by plexiform lesions, 467 (My)  
Yoon GS, Kang GH, Kim OJ: Primary myxoid leiomyoma of the liver, 1112 (De)

## Z

Zahniser D see Linder J  
Zamir D see Groisman GM  
Zarbo RJ see Nakhleh RE; Novis DA  
Zauchka GM, Pitt LM, Estep J, Ivins BE, Friedlander AM:

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation, 982 (No)  
**Zhang PJ, Reisner RM, Nangia R, Edge SB, Brooks JJ:** Effectiveness of multiple-level sectioning in detecting ax-

illary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis, 687 (Au)  
**Zheng Y, Solen KA, Mohammad F:** The light-scattering whole blood aggregometer: a novel device for assess-

ment of platelet aggregation in undiluted blood, 880 (Oc)  
**Zinser J see Meneses A**  
**Zirkin HJ:** Research and training on the newly dead [letter] 213 (Mr)

## SUBJECT INDEX TO VOLUME 122

The following index is an alphabetical list of significant subjects presented in this volume. Books reviewed are listed alphabetically by first author under the heading "BOOK REVIEWS." The month is given as a two-letter notation in parentheses.

### A

#### ABO Blood-Group System

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

#### Acidosis, Lactic

Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome [Prayson] 978 (No)

#### Acquired Immunodeficiency Syndrome

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome [Rabah] 1030 (No)

An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions [Dikov] 875 (Oc)  
 Epstein-Barr virus-associated renal smooth muscle neoplasms: report of a case with review of the literature [Creager] 277 (Mr)

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

Infectious vaccines [Ross] 100 (Ja)  
 Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)

#### Actins

Angiomyolipoma of the lung [Ito] 1023 (No)  
 Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)

Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

#### Acute Myocardial Infarction see Myocardial Infarction

#### Adenocarcinoma

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon [Foley] 912 (Oc)

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

Mucinous tumors of the ovary (letter) [Cramer] (reply) [Raab] 581 (Jy)

Needle biopsies of the prostate: what constitutes adequate histologic sampling? [Lane] 833 (Se)

Papillary adenocarcinoma arising in placental bullous lesion of the lung: report of a case with immunohistochemical study [Hano] 915 (Oc)

Use of age-specific normal ranges for serum prostate-specific antigen [Slovak] 330 (Ap)

#### Adenocarcinoma, Renal Cell see Carcinoma, Renal Cell

#### Adenolymphoma

Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms [Gilcrease] 644 (Jy)

#### Adenoma

Adenoma-carcinoid tumors of the colon [Lyda] 262 (Mr)  
 Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms [Gilcrease] 644 (Jy)

#### Administration, Inhalation

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation [Zauch] 982 (No)

#### Administration, Topical

Risk and clinical significance of developing antibodies in-

duced by topical thrombin preparations [Dorion] 887 (Oc)

#### Administration and Dosage

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)

#### Adrenal Gland Neoplasms

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

#### ADVANCES IN THE SCIENCE OF PATHOLOGY

Infectious vaccines [Ross] 100 (Ja)

#### Adverse Effects

Allogeneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection [Vamvakas] 145 (Fe)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy [Kouritis] 562 (Je)

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

#### Agarose Gel Electrophoresis see Electrophoresis, Agar Gel

#### Age Factors

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Clinicopathologic heterogeneity in hypertrophic cardiomyopathy with regard to age, asymmetric septal hypertrophy, and concentric hypertrophy beyond the pediatric age group [Litovsky] 434 (My)

Use of age-specific normal ranges for serum prostate-specific antigen [Slovak] 330 (Ap)

#### Agonists

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

#### AIDS see Acquired Immunodeficiency Syndrome

#### AIDS Vaccines

Infectious vaccines [Ross] 100 (Ja)

#### Alcian Blue

A new triple stain for *Helicobacter pylori* suitable for the autostainer: carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)

#### Alprostadil

The light-scattering whole blood aggregometer: a novel device for assessment of platelet aggregation in undiluted blood [Zheng] 880 (Oc)

#### Ameloblastoma

Recurrence of unicystic ameloblastoma: a case report and review of the literature [Li] 371 (Ap)

#### Anatomy and Histology

Adenoma-carcinoid tumors of the colon [Lyda] 262 (Mr)  
 Clinicopathologic features of neuroendocrine carcinomas of the stomach: appraisal of small cell and large cell variants [Matsu] 1010 (No)

Clinicopathologic heterogeneity in hypertrophic cardiomyopathy with regard to age, asymmetric septal hypertrophy, and concentric hypertrophy beyond the pediatric age group [Litovsky] 434 (My)

Congenital malignant rhabdoid tumor presenting as a cutaneous nodule: report of 2 cases with a review of the literature [Hsueh] 1099 (De)

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification [Gschwendtner] 1000 (No)

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology [Brink] 1018 (No)

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Mosnier] 416 (My)

#### Anemia

Bone marrow biopsy findings in childhood anemia: prevalence of transient erythroblastopenia of childhood [Farhi] 638 (Jy)

Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology [Brink] 1018 (No)

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasef] 77 (Ja)

#### Angiomyolipoma

Angiomyolipoma of the lung [Ito] 1023 (No)

#### Angiosarcoma see Hemangiosarcoma

#### Anoxia

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

#### Antagonists and Inhibitors, Thrombin

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb/IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)

#### Anthrax

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation [Zauch] 982 (No)

#### Anti-Infective Agents, Local

Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497134 specimens from adult patients [Schiffman] 216 (Mr)

#### Antibodies

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)

#### Antibodies, Antinuclear

Detection of antinuclear antibodies: comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Homburger] 993 (No)

#### Antibodies, Monoclonal

Analyte-specific reagents in the flow cytometry laboratory [Caldwell] 861 (Oc)

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation [Gilcrease] 907 (Oc)

## Antibodies, Protozoan

Identification of the microsporidian *Encephalitozoon hellem* using immunoglobulin G monoclonal antibodies [Crop-ping] 182 (Fe)

## Antibodies, Viral

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

## Antibody Formation

Risk and clinical significance of developing antibodies induced by topical thrombin preparations [Dorion] 887 (Oc)

## Anticoagulants

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—overview [Bovill] 808 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction [Brandt] 765 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)

Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens [Davis] 972 (No)

## Detection

Detection of antinuclear antibodies: comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Homburger] 993 (No)

## Antigens, CD34

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

## Antigens, CD45

Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy [Kourits] 562 (Je)

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Monsier] 416 (My)

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

## Antigens, Neoplasm

Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

## Antigens, Surface

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

## Antinuclear Antibody Test, Fluorescent see Fluorescent Antibody Technique

## Antisepsis see Anti-Infective Agents, Local

## Apoptosis

Apoptosis: basic concepts and potential significance in human cancer [Staunton] 310 (Ap)

An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions [Dikov] 875 (Oc)

Detection of apoptosis using hematoxylin-eosin (letter) [Kashihara] (reply) [Drachenberg] 493 (Je)

Effects of prefixation and fixation times on apoptosis detection by in situ end-labeling of fragmented DNA [Tateyama] 252 (Mr)

Immunohistochemical analysis of proteins of the bcl-2 family in pulmonary lymphangiomatosis: association of bcl-2 expression with hormone receptor status [Usuki] 895 (Oc)

## Argatroban

College of American Pathologists Conference XXXI on Lab-

oratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

## Arteriovenous Fistula

Uterine arteriovenous malformation necessitating hysterectomy with bilateral salpingo-oophorectomy in a young pregnant patient [Majumdar] 842 (Se)

## Arteritis

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome [Rabiah] 1030 (No)

## Arthritis, Rheumatoid

Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia [Bosman] 920 (Oc)

## Artifacts

Detection of apoptosis using hematoxylin-eosin (letter) [Kashihara] (reply) [Drachenberg] 493 (Je)

## Artificial Intelligence

Pathology information systems: data mining leads to knowledge discovery [McDonald] 409 (My)

## Asbestos

Lack of asbestos contamination of paraffin [Dodson] 1103 (De)

ASCUS see Atypical Squamous Cells of Undetermined Significance

## Asia

Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent [Fisher] 156 (Fe); correction, 446 (My)

## Aspergillus

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

## Aspiration Biopsy see Biopsy

## Assays

Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

## Asthma

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

## Astrocytoma

Neuronal fibers in a classic acoustic schwannoma (letter) [Kapes] (reply) [Brown] 673 (Au)

## Atherosclerosis

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)

## Attitude to Death

Practice guideline for forensic pathology [Randall] 1056 (De)

Research and training on the newly dead (letter) [Zirklin] (reply) [Rosner] 213 (Mr)

## Atypical Squamous Cells of Undetermined Significance

Qualifying the cytologic diagnosis of "atypical squamous cells of undetermined significance" affects the predictive value of a squamous intraepithelial lesion on subsequent biopsy [Genest] 338 (Ap)

## Autoantibodies

Detection of antinuclear antibodies: comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Homburger] 993 (No)

## Autopsy

An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions [Dikov] 875 (Oc)

Diagnostic utility of postmortem fine-needle aspiration cultures [Aranda] 650 (Jy)

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

Forensic autopsy in a pathology training program [Djabourian] 750 (Au)

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome [Prayson] 978 (No)

The neuropathology of orthotopic liver transplantation: an autopsy series of 16 patients [McCarron] 726 (Au)

Practice guideline for forensic pathology [Randall] 1056 (De)

Research and training on the newly dead (letter) [Zirklin] (reply) [Rosner] 213 (Mr)

Use of perfusion fixation for improved neuropathologic examination (letter) [Miller] 949 (No)

## Aviation

Some hopes and concerns regarding medical event-reporting systems: lessons from the NASA Aviation Safety Reporting System [Billings] 214 (Mr)

## Axilla

Effectiveness of multiple-level sectioning in detecting axillary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis [Zhang] 687 (Au)

## B

## B-Lymphocyte Subsets

CD10 expression in follicular lymphoma and large cell lymphoma is different from that of reactive lymph node follicles [Almasri] 539 (Je)

## Bacillus anthracis

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation [Zauch] 982 (No)

## Base Sequence

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioperithelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

bcl-2 Proto-Oncogene Proteins see Proto-Oncogene Proteins c-bcl-2

## Benign Neoplasms see Neoplasms

## Bias, Observer, see Observer Variation

## Bile Duct Diseases

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

## Biography

Kenneth D. McClatchey, DDS, MD: the seventh editor of the *Archives of Pathology & Laboratory Medicine* [McLendon] 397 (My)

## Biological Markers

Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with traumatic chest pain [Chang] 320 (Ap)

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)

A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)

90K (Mac-2 BP) predicts CD4 decline in human immunodeficiency virus-infected patients with CD4 counts above  $200 \times 10^6$  cells/L [Tinari] 178 (Fe)

A strategy for the use of cardiac injury markers in the diagnosis of acute myocardial infarction (letter) [Wilson] (reply) [Kost] 950 (No)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

## Biological Products

Risk and clinical significance of developing antibodies induced by topical thrombin preparations [Dorion] 887 (Oc)

## Biological Specimen Banks

Providing human tissues for research: how to establish a program [Grizzle] 1065 (De)

Specimen banks for cancer prognostic factor research [Burke] 871 (Oc)

## Biopsy

Bone marrow biopsy findings in childhood anemia: prevalence of transient erythroblastopenia of childhood [Farhi] 638 (Jy)

Diagnostic utility of postmortem fine-needle aspiration cultures [Aranda] 650 (Jy)

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

Increased submucosal nerve trunk caliber in angiolipoma: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

Interinstitutional comparison of surgical biopsy diagnosis turnaround time: a College of American Pathologists Q-Probes study of 5384 surgical biopsies in 157 small hospitals [Novis] 951 (No)

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

Needle biopsies of the prostate: what constitutes adequate histologic sampling? [Lane] 833 (Sc)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

Protocol for the examination of specimens removed from



- patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)
- The utility of parotid gland and level I and II neck fine-needle aspiration [Raab] 823 (Se)
- Biosynthesis**
- MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)
- Biotinylation**
- Tyramine-amplified immunohistochemical testing using "homemade" biotinylated tyramine is highly sensitive and cost-effective [Jacobs] 642 (Jy)
- Birth Weight**
- Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)
- Bladder, Urinary**
- Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)
- Blood Banks**
- Analyte-specific reagents and the clinical laboratory [Tubbs] 585 (Jy)
- Blood Cell Count**
- Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)
- Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasef] 77 (Ja)
- Blood Chemical Analysis**
- The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)
- Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)
- A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)
- Blood Coagulation**
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb/IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)
- Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)
- Blood Coagulation Disorders**
- Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)
- Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)
- Blood Coagulation Factors**
- Risk and clinical significance of developing antibodies induced by topical thrombin preparations [Dorion] 887 (Oc)
- Blood Coagulation Tests**
- Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—overview [Bovill] 808 (Se)
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction [Brandt] 765 (Se)
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)
- Risk and clinical significance of developing antibodies induced by topical thrombin preparations [Dorion] 887 (Oc)
- Blood Glucose**
- Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)
- Blood Specimen Collection**
- Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497 134 specimens from adult patients [Schifman] 216 (Mr)
- Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)
- Blood Transfusion**
- Allogeneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection [Vamvakas] 145 (Fe)
- The attributes of medical event-reporting systems: experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)
- Blood transfusion immunomodulation: the silent epidemic [Blumberg] 117 (Fe)
- Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)
- Blotting, Western**
- A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)
- Identification of the microsporidian *Encephalitozoon hellem* using immunoglobulin G monoclonal antibodies [Cropo] 182 (Fe)
- Risk and clinical significance of developing antibodies induced by topical thrombin preparations [Dorion] 887 (Oc)
- Bone Gla Protein see Osteocalcin**
- Bone Marrow**
- Bone marrow biopsy findings in childhood anemia: prevalence of transient erythroblastopenia of childhood [Farhi] 638 (Jy)
- Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)
- Rhabdomyosarcoma mimicking acute leukemia (letter) [Parham] (reply) [Kahn] 1047 (De)
- Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)
- Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasef] 77 (Ja)
- Bone Marrow Examination**
- Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology [Brink] 1018 (No)
- Bone Marrow Transplantation**
- Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)
- Bone Neoplasms**
- Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)
- BOOK REVIEWS**
- Bostwick DG, Eble JN: *Urologic Surgical Pathology*, 199 (Fe)
- Bullough PG: *Bullough and Vigorita's Orthopaedic Pathology*, 103 (Ja)
- Clayton CL, Mobley HLT: *Helicobacter pylori* Protocols (Methods in Molecular Medicine), 482 (My)
- Coleman WB, Tsongalis GJ: *Molecular Diagnostics for the Clinical Laboratorian*, 379 (Ap)
- Davis RL, Robertson DM: *Textbook of Neuropathology*, 103 (Ja)
- DeVita VT Jr, Hellman S, Rosenberg SA: *Cancer: Principles and Practice of Oncology*, 288 (Mr)
- Elder D, Elenitsas R, Jaworsky C, Johnson B Jr: *Lever's Histopathology of the Skin*, 288 (Mr)
- Fechner RE, Rosen PP: *Anatomic Pathology 1996 (ASCP Reviews in Pathology)*, 199 (Fe)
- Fox H: *Pathology of the Placenta (Major Problems in Pathology)*, 567 (Je)
- Gal AA, Koss MN: *Differential Diagnosis in Pathology: Pulmonary Disorders*, 566 (Je)
- Garcia JH: *Neuropathology: The Diagnostic Approach*, 481 (My)
- Isaacs H Jr: *Tumors of the Fetus and Newborn (Major Problems in Pathology)*, 567 (Je)
- Kaplan LA: *Clinical Chemistry: Theory, Analysis, and Correlation*, 752 (Au)
- Karch SB: *The Pathology of Drug Abuse*, 102 (Ja)
- Katzenstein A-LA: *Katzenstein and Askin's Surgical Pathology of Non-Neoplastic Lung Disease (Major Problems in Pathology)*, 566 (Je)
- Kumar V, Cotran RS, Robbins SL: *Basic Pathology*, 660 (Jy)
- Lack EE: *Tumors of the Adrenal and Extra-Adrenal Paraganglia (Atlas of Tumor Pathology, third series, fascicle 19)*, 480 (My)
- Lewin KJ, Appelman HD: *Tumors of the Esophagus and Stomach (Atlas of Tumor Pathology, third series, fascicle 18)*, 104 (Ja)
- Marx A, Müller-Hermelink HK: *Epithelial Tumors of the Thymus: Pathology, Biology, Treatment*, 481 (My)
- McKee FH: *Pathology of the Skin With Clinical Correlations*, 102 (Ja)
- Meisels A, Morin C: *Cytopathology of the Uterus*, 660 (Jy)
- Pagliari LJ, Murray C, Curran G, Orkand AR, Aston ML: *Microscopy-Tutor 1.01 (CD-ROM)*, 1123 (De)
- Ro JY, Amin MB, Sahin AA, Ayala AG, Lee SS: *Atlas of Testicular Pathology 1.0 (CD-ROM)*, 380 (Ap)
- Robinson JP, Darzynkiewicz Z, Dean PN, Dressler LG, Rabenovich PS, Stewart CC, Tanke HJ, Wheelless LL: *Current Protocols in Cytometry*, 669 (Jy)
- Rosen PV: *Rosen's Breast Pathology*, 480 (My)
- Ross DW: *Introduction to Molecular Medicine*, 289 (Mr)
- Striker GE, Striker LJ, D'Agati V: *The Renal Biopsy (Major Problems in Pathology)*, 288 (Mr)
- Sussman M: *Escherichia coli: Mechanisms of Virulence*, 481 (My)
- Travers EM: *Clinical Laboratory Management*, 200 (Fe)
- Voet RL: *Color Atlas of Obstetric and Gynecologic Pathology*, 379 (Ap)
- Wenig BM, Hefless CS, Adair CF: *Atlas of Endocrine Pathology*, 567 (Je)
- Zelbig EA: *Clinical Parasitology: A Practical Approach*, 568 (Je)
- BOOKS RECEIVED**, 661 (Jy), 1123 (De)
- Brain**
- The neuropathology of orthotopic liver transplantation: an autopsy series of 16 patients [McCarron] 726 (Au)
- Brain Neoplasms**
- Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)
- Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)
- Isolated leptomeningeal Castleman's disease with viral particles in the follicular dendritic cells [Gulati] 1026 (No)
- Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)
- Breast Diseases**
- Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)
- Benign breast diseases and premalignant breast disease [Page] 1048 (De)
- Breast Neoplasms**
- Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)
- Benign breast diseases and premalignant breast disease [Page] 1048 (De)
- Comparative study of computer-assisted image analysis and light-microscopically determined estrogen receptor status of breast carcinomas [Bejar] 346 (Ap)
- Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)
- Effectiveness of multiple-level sectioning in detecting axillary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis [Zhang] 687 (Au)
- Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)
- Primary rhabdomyosarcoma of the female breast: report of a case and review of the literature [Kyriazis] 747 (Au)
- Bronchial Diseases**
- Chlamydiae formation in zygomycosis due to *Rhizopus* species [Kimura] 1120 (De)
- Bronchiolitis**
- Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent [Fisher] 156 (Fe); correction, 446 (My)
- Fractures**
- Obstructive central bronchitis due to mineral dust in patients with pneumoconiosis [Kampalath] 56 (Ja)
- Budd-Chiari Syndrome see Hepatic Vein Thrombosis**

**CA-15-3 Antigen**

Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)

Cell proliferative activity in intraductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study [Terada] 42 (Ja)

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

**Calcinosis**

Distribution and significance of microcalcifications in the neoplastic and nonneoplastic prostate [Woods] 152 (Fe)

**Calciophylaxis**

Systemic calciophylaxis associated with massive gastrointestinal hemorrhage [Brown] 656 (Jy)

**Calcitonin**

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

**Calcium**

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 505 hospital laboratories [Steindel] 401 (My)

**Calcium Oxalate**

Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma [Dry] 260 (Mr)

**Calibration**

The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction [Brandt] 765 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies [Astles] 700 (Au)

Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)

**Cancer Staging see Neoplasm Staging****Candida**

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome [Rabab] 1030 (No)

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

**Capillaries**

Pulmonary capillary hemangiomatosis: a unique feature of congestive vasculopathy associated with hypertrophic cardiomyopathy [Jing] 94 (Ja)

**Carcinoembryonic Antigen**

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

**Carcinogen Markers see Tumor Markers, Biological****Carcinoid Tumor**

Adenoma-carcinoid tumors of the colon [Lyda] 262 (Mr)

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

**Carcinoma**

Apoptosis: basic concepts and potential significance in human cancer [Staunton] 310 (Ap)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

**Carcinoma, Ductal see Carcinoma, Infiltrating Duct****Carcinoma, Infiltrating Duct**

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

Cell proliferative activity in intraductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study [Terada] 42 (Ja)

Double heterozygosity for mutations in the *BRCA1* and

*BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

**Carcinoma, Medullary**

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

**Carcinoma, Neuroendocrine**

Clinicopathologic features of neuroendocrine carcinomas of the stomach: appraisal of small cell and large cell variants [Matsui] 1010 (No)

The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon [Foley] 912 (Oc)

**Carcinoma, Papillary**

Infiltrating papillary thyroid carcinoma: review of 134 cases of papillary carcinoma [Mail] 166 (Fe)

Possible relation of osteopontin to development of psammoma bodies in human papillary thyroid cancer [Tunio] 1087 (De)

**Carcinoma, Renal Cell**

Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma [Dry] 260 (Mr)

**Carcinoma, Squamous Cell**

Carcinosarcoma of the parotid gland: report of a case with cytologic and immunohistochemical findings [Latkovich] 743 (Au)

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

**Carcinoma In Situ**

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

**Carcinomatosis see Carcinoma****Carcinosarcoma**

Carcinosarcoma of the parotid gland: report of a case with cytologic and immunohistochemical findings [Latkovich] 743 (Au)

Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation [Gilcrease] 907 (Oc)

**Cardiac Diseases see Heart Diseases****Cardiac Neoplasms see Heart Neoplasms****Cardiac Valves see Heart Valves****Cardiomyopathy, Hypertrophic**

Clinicopathologic heterogeneity in hypertrophic cardiomyopathy with regard to age, asymmetric septal hypertrophy, and concentric hypertrophy beyond the pediatric age group [Litovsky] 434 (Mr)

Pulmonary capillary hemangiomatosis: a unique feature of congestive vasculopathy associated with hypertrophic cardiomyopathy [Jing] 94 (Ja)

**Cardiopulmonary Bypass**

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

**Cardiovascular Diseases**

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions [Borill] 808 (Se)

**Castleman's Disease see Giant Lymph Node Hyperplasia****Cathepsin B**

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

**Cause of Death**

Practice guideline for forensic pathology [Randall] 1056 (De)

**CD4 Lymphocyte Count**

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

Follicular center cell lymphoma with an extremely high content of T cells: case report with useful diagnostic techniques [Dunphy] 936 (Oc)

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

90K (Mac-2 BP) predicts CD4 decline in human immunodeficiency virus-infected patients with CD4 counts above 200 × 10<sup>6</sup> cells/L [Tinari] 178 (Fe)

**CD4-CD8 Ratio**

Follicular center cell lymphoma with an extremely high content of T cells: case report with useful diagnostic techniques [Dunphy] 936 (Oc)

**CD4-Positive T-Lymphocytes**

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

Enlargement of the thymus in a child with chronic granu-

lomatous disease receiving interferon gamma therapy [Kourits] 562 (Je)

**CD8-Positive T-Lymphocytes**

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

**CD10**

CD10 expression in follicular lymphoma and large cell lymphoma is different from that of reactive lymph node follicles [Almasri] 539 (Je)

**CD-ROM**

Web-based pathology education [Klatt] 475 (My)

**Cell Communication**

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

**Cell Count**

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

**Cell Death, Programmed see Apoptosis****Cell Division**

Immunohistochemical analysis of proteins of the bcl-2 family in pulmonary lymphangiomatosis: association of bcl-2 expression with hormone receptor status [Usuki] 895 (Oc)

**Cell Growth see Cell Division****Cell Line**

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

**Cell Movement**

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

**Cell Nucleus**

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

**Cell Surface Antigens see Antigens, Surface****Cell Transformation, Neoplastic**

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

Cell proliferative activity in intraductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study [Terada] 42 (Ja)

DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification [Gschwendtner] 1000 (No)

The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon [Foley] 912 (Oc)

Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation [Gilcrease] 907 (Oc)

**Central Nervous System Diseases**

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome [Rabab] 1030 (No)

Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome [Prayson] 978 (No)

The neuropathology of orthotopic liver transplantation: an autopsy series of 16 patients [McCarron] 726 (Au)

**Central Nervous System Neoplasms**

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

Primary intracerebellar osteosarcoma arising within an epidermoid cyst [Cannon] 737 (Au)

**Cerebral Palsy**

Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)

**Cerebrospinal Fluid**

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)

**Cervical Intraepithelial Neoplasia**

Qualifying the cytologic diagnosis of "atypical squamous cells of undetermined significance" affects the predictive value of a squamous intraepithelial lesion on subsequent biopsy [Genest] 338 (Ap)

**Cervix Neoplasms**

Qualifying the cytologic diagnosis of "atypical squamous cells of undetermined significance" affects the predictive value of a squamous intraepithelial lesion on subsequent biopsy [Genest] 338 (Ap)

ThinPrep Papanicolaou testing to reduce false-negative cervical cytology [Linder] 139 (Fe)

#### **Chejfec, Gregorio**

The *Archives of Pathology & Laboratory Medicine*: a new beginning [McClatchey] 399 (My)

#### **Chemistry, Clinical**

The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Koss] 587 (Jy)

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 505 hospital laboratories [Steindel] 401 (My)

#### **Chemotherapy, Adjuvant**

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

#### **Chest Pain**

Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with atraumatic chest pain [Chang] 320 (Ap)

#### **Child**

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome [Rabab] 1030 (No)

Bone marrow biopsy findings in childhood anemia: prevalence of transient erythroblastopenia of childhood [Farhi] 638 (Jy)

Congenital malignant rhabdoid tumor presenting as a cutaneous nodule: report of 2 cases with review of the literature [Hsueh] 1099 (De)

Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy [Kouritis] 562 (Je)

Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies [Brett] 69 (Ja)

Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

Lipoblastomas combined with intestinal neuronal dysplasia [Huang] 191 (Fe)

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

Rhabdomyosarcoma mimicking acute leukemia (letter) [Parham] (reply) [Kahn] 1047 (De)

Teratoid Wilms tumor arising as a botryoid growth within a supernumerary ectopic ureteropelvic structure [Pawel] 925 (Oc)

#### **China**

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

#### **Chlamydoconidia**

Chlamydoconidia formation in zygomycosis due to *Rhizopus* species [Kimura] 1120 (De)

#### **Cholangiocarcinoma**

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

#### **Cholangitis, Sclerosing**

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

#### **Cholestasis**

A rare common hepatic duct diverticulum causing fatal biliary obstruction and sepsis [Flowers] 197 (Fe)

#### **Cholesterol**

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 505 hospital laboratories [Steindel] 401 (My)

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

#### **Chondritin Sulfates**

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-

weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

#### **Chorioamnionitis**

Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)

#### **Choristoma**

Giant heterotopic gastric polyp in the jejunum [Nowak] 90 (Ja)

#### **Chromogranins**

Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)

The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon [Foley] 912 (Oc)

Giant heterotopic gastric polyp in the jejunum [Nowak] 90 (Ja)

#### **Chromosome Abnormalities**

Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors [Bridge] 187 (Fe)

#### **Chromosome Banding**

Human T-cell lymphotropic virus-1-positive T-cell leukemia/lymphoma (letter) [Mehta] (reply) [Lin] 582 (Jy)

#### **Chromosomes, Human, Pair 12**

Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors [Bridge] 187 (Fe)

#### **Chromosomes, Human, Pair 14**

Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasef] 77 (Ja)

#### **Chronic Disease**

Pulmonary capillary hemangiomatosis: a unique feature of congestive vasculopathy associated with hypertrophic cardiomyopathy [Jing] 94 (Ja)

#### **Circadian Rhythm**

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

#### **Citrates**

Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)

#### **Classification**

Some hopes and concerns regarding medical event-reporting systems: lessons from the NASA Aviation Safety Reporting System [Billings] 214 (Mr)

#### **Classification, Histologic**

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

#### **Clinical Competence**

Proficiency testing in laboratory medicine: uses and limitations [Shahangian] 15 (Ja)

#### **Clinical Ethics see Ethics, Medical**

#### **Clinical Laboratory Information System**

Pathology information systems: data mining leads to knowledge discovery [McDonald] 409 (My)  
Validation of the laboratory information system [Cowan] 239 (Mr)

#### **Clinical Markers see Biological Markers**

#### **Clinical Protocols**

Application of synoptic reports (letter) [Nochomovitz] (reply) [Compton] 493 (Je)

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

#### **Clinical Trials**

Blood transfusion immunomodulation: the silent epidemic [Blumberg] 117 (Fe)

#### **Coagulation Factors see Blood Coagulation Factors**

#### **Coding see Forms and Records Control**

#### **Collagen**

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kallir] 442 (My)

Perineurioma with ossification: a case report with immu-

nohistochemical and ultrastructural studies [Rank] 366 (Ap)

#### **COLLEGE OF AMERICAN PATHOLOGISTS**

Kenneth D. McClatchey, DDS, MD: the seventh editor of the *Archives of Pathology & Laboratory Medicine* [McLendon] 397 (My)

Reviewers for ARCHIVES Manuscripts, 1996 and 1997, 381 (Ap)

The *Archives of Pathology & Laboratory Medicine*: a new beginning [McClatchey] 399 (My)

#### **COLLEGE OF AMERICAN PATHOLOGISTS CONFERENCE XXXI**

Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)

Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb/IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)

Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

Laboratory Monitoring of Anticoagulant Therapy: future directions—overview [Bovill] 808 (Se)

Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)

Laboratory Monitoring of Anticoagulant Therapy: introduction [Brandt] 765 (Se)

Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

#### **COLLEGE OF AMERICAN PATHOLOGISTS LABORATORY IMPROVEMENT PROGRAMS**

The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)

Amended reports in surgical pathology and implications for diagnostic error detection and avoidance: a College of American Pathologists Q-Probes study of 1 667 547 accessioned cases in 359 laboratories [Nakhleh] 303 (Ap)

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497 134 specimens from adult patients [Schifman] 216 (Mr)

Early morning blood collections: a College of American Pathologists Q-Probes study of 657 institutions [Dale] 865 (Oc)

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)

Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)

Interinstitutional comparison of surgical biopsy diagnosis turnaround time: a College of American Pathologists Q-Probes study of 5384 surgical biopsies in 157 small hospitals [Novis] 951 (No)

Proficiency testing in laboratory medicine (letter) [Shahangian] 674 (Au)

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 505 hospital laboratories [Steindel] 401 (My)

Urine culture contamination: a College of American Pathologists Q-Probes study of contaminated urine cultures in 906 institutions [Valenstein] 123 (Fe)

#### **Colon**

Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

#### **Colonic Neoplasms**

The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon [Foley] 912 (Oc)

#### **Colonic Polyps**

Nodular neuronal hyperplasia: a distinct morphologic type of pseudopolyp in inflammatory bowel disease [Popirolek] 194 (Fe)



## Colorectal Neoplasms

Adenoma-carcinoid tumors of the colon [Lyda] 262 (Mr)  
Allogeneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection [Vamvakas] 145 (Fe)  
Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

## Common Bile Duct Diseases

A rare common hepatic duct diverticulum causing fatal biliary obstruction and sepsis [Flowers] 197 (Fe)

## Complications

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

Perineuroma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)

The neuropathology of orthotopic liver transplantation: an autopsy series of 16 patients [McCarron] 726 (Au)

Systemic calciphylaxis associated with massive gastrointestinal hemorrhage [Brown] 656 (Jy)

An unusual case associating ileal Crohn's disease and diffuse large B-cell lymphoma of an adjacent mesenteric lymph node [Charlotte] 559 (Je)

## Computer Communication Networks

Web-based pathology education [Klatt] 475 (My)

## Computers

Validation of the laboratory information system [Cowan] 239 (Mr)

The year 2000 problem for pathology (letter) [Rhodes] 583 (Jy)

## Concanavalin A

A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)

## Congenital Disorders see Infant, Newborn, Diseases

## Connective Tissue Diseases

Detection of antinuclear antibodies: comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Humburger] 993 (No)

## Contamination of Specimens see Specimen Handling

## Contributing Factors see Etiology

## Coronary Disease

Clinicopathologic heterogeneity in hypertrophic cardiomyopathy with regard to age, asymmetric septal hypertrophy, and concentric hypertrophy beyond the pediatric age group [Litovsky] 434 (My)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb/IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)

Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with traumatic chest pain [Chang] 320 (Ap)

## Coroners and Medical Examiners

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

## CORRECTION

Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent, 446 (My)

Rosen PP: Rosen's Breast Pathology [Book Review] 659 (Jy)

## Cost-Benefit Analysis

Allogeneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection [Vamvakas] 145 (Fe)  
Analyte-specific reagents in the flow cytometry laboratory [Caldwell] 861 (Oc)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tabbs] 1051 (De)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

Testing for resistance to activated protein C factor V R506Q (letter) [Mack] (reply) [Longline] 1046 (De)

Tyramine-amplified immunohistochemical testing using "homemade" biotinylated tyramine is highly sensitive and cost-effective [Jacobs] 642 (Jy)

## Cost Effectiveness see Cost-Benefit Analysis

## Cost Factors

Providing human tissues for research: how to establish a program [Grizzle] 1065 (De)

## Creatine Kinase Isoenzymes

Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with traumatic chest pain [Chang] 320 (Ap)

A strategy for the use of cardiac injury markers in the diagnosis of acute myocardial infarction (letter) [Wilson] (reply) [Kost] 950 (No)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

## Criteria see Standards

## Crohn Disease

Nodular neuronal hyperplasia: a distinct morphologic type of pseudopolyp in inflammatory bowel disease [Popolek] 194 (Fe)

An unusual case associating ileal Crohn's disease and diffuse large B-cell lymphoma of an adjacent mesenteric lymph node [Charlotte] 559 (Je)

## Cryopreservation

The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)

## Cryoultramicrotomy

Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies [Brett] 69 (Ja)

## Cryptococcus neoformans

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

## Crystallization

Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma [Dry] 260 (Mr)

Indinavir crystalluria: identification of patients at increased risk of developing nephrotoxicity [Trainor] 256 (Mr)

Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia [Bosman] 920 (Oc)

Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms [Gilcrease] 644 (Jy)

## Cuba

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

## Cyclins

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

## Cyclophosphamide

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

## Cystadenoma

Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms [Gilcrease] 644 (Jy)

## Cystic Disease of Breast see Fibrocystic Disease of Breast

## Cystic Disease of Kidney, Acquired

Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma [Dry] 260 (Mr)

## Cystic Lung Disease

Papillary adenocarcinoma arising in placental bullous lesion of the lung: report of a case with immunohistochemical study [Hano] 915 (Oc)

## Cytogenetics

Primary renal angiosarcoma: a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature [Cerrilli] 929 (Oc)

Rhabdomyosarcoma mimicking acute leukemia (letter) [Farham] (reply) [Kahn] 1047 (De)

## Cytokeratin see Keratin

## Cytokines

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

## Cytology

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

Qualifying the cytologic diagnosis of "atypical squamous cells of undetermined significance" affects the predictive value of a squamous intraepithelial lesion on subsequent biopsy [Genest] 338 (Ap)

ThinPrep Papanicolaou testing to reduce false-negative cervical cytology [Linder] 139 (Fe)

## D

## Danaparoid

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

## Data Collection

Specimen banks for cancer prognostic factor research [Burke] 871 (Oc)

## Data Mining

Pathology information systems: data mining leads to knowledge discovery [McDonald] 409 (My)

## Death

Research and training on the newly dead (letter) [Zirkin] (reply) [Rosner] 213 (Mr)

## Decision Support Techniques

The attributes of medical event-reporting systems: experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)

## Dendritic Cells

Isolated leptomeningeal Castleman's disease with viral particles in the follicular dendritic cells [Gulati] 1026 (No)

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

## Dermatan Sulfate

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

## Dermatofibroma

Carcinosarcoma of the parotid gland: report of a case with cytologic and immunohistochemical findings [Latkovich] 743 (Au)

## Desmin

Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)

## Device Design see Equipment Design

## Diabetes Mellitus, Insulin-Dependent

Systemic calciphylaxis associated with massive gastrointestinal hemorrhage [Brown] 656 (Jy)

## Diagnosis

Interinstitutional comparison of surgical biopsy diagnosis turnaround time: a College of American Pathologists Q-Probes study of 5384 surgical biopsies in 157 small hospitals [Novis] 951 (No)

## Diagnosis, Differential

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

CD10 expression in follicular lymphoma and large cell lymphoma is different from that of reactive lymph node follicles [Almasri] 539 (Je)

Congenital malignant rhabdoid tumor presenting as a cutaneous nodule: report of 2 cases with review of the literature [Hsueh] 1099 (De)

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioidelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent [Fisher] 156 (Fe); correction, 446 (My)

Distribution and significance of microcalcifications in the neoplastic and nonneoplastic prostate [Woods] 152 (Fe)  
Epithelioid hemangioidelioma of the liver mimicking Budd-Chiari syndrome [Walsh] 846 (Se)

Isolated intracranial involvement in Rosai-Dorfman disease: a report of two cases and review of the literature [Deodhare] 161 (Fe)

Lipoblastomatosis combined with intestinal neuronal dysplasia [Huang] 191 (Fe)

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)



Mucicarmophilic histiocytosis (benign signet-ring cells) and hyperplastic mesothelial cells: two mimics of metastatic carcinoma within a single lymph node [Groisman] 282 (Mr)

Mucinous tumors of the ovary (letter) [Cramer] (reply) [Raab] 581 (Jy)

Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

Primary myxoid leiomyoma of the liver [Yoon] 1112 (De)

Primary renal angiosarcoma: a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature [Cerrilli] 929 (Oc)

A rare common hepatic duct diverticulum causing fatal biliary obstruction and sepsis [Flowers] 197 (Fe)

Rhabdomyosarcoma mimicking acute leukemia (letter) [Parham] (reply) [Kahn] 1047 (De)

Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)

Rosenthal fibers in a classic acoustic schwannoma (letter) [Kepes] (reply) [Brown] 673 (Au)

Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation [Gilcrease] 907 (Oc)

Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)

**Diagnostic Errors**

Amended reports in surgical pathology and implications for diagnostic error detection and avoidance: a College of American Pathologists Q-Probes study of 1667547 accessioned cases in 359 laboratories [Nakhleh] 303 (Ap)

Epithelioid psammomatous melanotic schwannoma with osseous metaplasia [Grayson] 285 (Mr)

Examining amended reports in surgical pathology [Hilborne] 301 (Ap)

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

Needle biopsies of the prostate: what constitutes adequate histologic sampling? [Lane] 833 (Se)

Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)

**Diagnostic Imaging**

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

**Digestive System Neoplasms**

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

**Digoxin**

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 305 hospital laboratories [Steindel] 401 (My)

**Dilatation, Pathologic**

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

**Disease Models, Animals**

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation [Zauch] 982 (No)

**Disease Outbreaks**

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

**Disease Progression**

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

**Disease-Free Survival see Survival Analysis**

**Disinfection**

Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497134 specimens from adult patients [Schifman] 216 (Mr)

**Dissection**

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

**Diverticulum**

A rare common hepatic duct diverticulum causing fatal biliary obstruction and sepsis [Flowers] 197 (Fe)

**DNA Fragmentation**

Effects of pre-fixation and fixation times on apoptosis detection by in situ end-labeling of fragmented DNA [Tateyama] 252 (Mr)

**DNA Mutational Analysis**

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology [Brink] 1018 (No)

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-janatpour] 266 (Mr)

**DNA Primers**

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bieneisi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (Mr)

**DNA Sequence see Base Sequence**

**DNA Sequence Analysis see Sequence Analysis, DNA**

**DNA, Mitochondrial**

Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome [Prayson] 978 (No)

**DNA, Neoplasm**

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

**Drug Combinations**

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

**Drug Monitoring**

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—overview [Bovill] 808 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction [Brandt] 765 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory

monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

**Drug Resistance**

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

**Drug Therapy**

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—overview [Bovill] 808 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction [Brandt] 765 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy [Kourits] 562 (Je)

The histologic effects of low-dose methotrexate therapy for primary biliary cirrhosis [Bach] 342 (Ap)

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

**Dura Mater**

Isolated intracranial involvement in Rosai-Dorfman disease: a report of two cases and review of the literature [Deodhare] 161 (Fe)

**Dust**

Obliterative central bronchiitis due to mineral dust in patients with pneumoconiosis [Kampalath] 56 (Ja)

E

**E-Selectin**

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

**Ear Canal**

Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)

**Ectopic Tissue**

Teratoid Wilms tumor arising as a botryoid growth within a supernumerary ectopic ureteropelvic structure [Pawell] 925 (Oc)

**Editor**

Kenneth D. McClatchey, DDS, MD: the seventh editor of the *Archives of Pathology & Laboratory Medicine* [McLendon] 397 (My)

**Editorial Board**

Reviewers for *ARCHIVES Manuscripts*, 1996 and 1997, 381 (Ap)

**Education**

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

Proficiency testing in laboratory medicine: uses and limitations [Shahangian] 15 (Ja)

**Education, Medical**

Forensic autopsy in a pathology training program [Djabourian] 750 (Au)

Research and training on the newly dead (letter) [Zirklin] (reply) [Rosner] 213 (Mr)

Web-based pathology education [Klatt] 475 (My)

**Endovision Classification Model**

The attributes of medical event-reporting systems: experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)

Some hopes and concerns regarding medical event-reporting systems: lessons from the NASA Aviation Safety Reporting System [Billings] 214 (Mr)

**El-Zimaity Stain**

A new triple stain for *Helicobacter pylori* suitable for the auto-stainer: carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)

#### Electric Impedance

The light-scattering whole blood aggregometer: a novel device for assessment of platelet aggregation in undiluted blood [Zheng] 880 (Oc)

#### Electron Microscopy, see Microscopy

#### Electrophoresis, Agar Gel

Effects of pre-fixation and fixation times on apoptosis detection by in situ end-labeling of fragmented DNA [Tateyama] 252 (Mr)

#### Electrophoresis, Polyacrylamide Gel

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

#### Embolic Tumor Cells see Neoplasm Circulating Cells

#### Embolization, Therapeutic

Uterine arteriovenous malformation necessitating hysterectomy with bilateral salpingo-oophorectomy in a young pregnant patient [Majmudar] 842 (Se)

#### Encephalitozoon

Identification of the microsporidian *Encephalitozoon hellem* using immunoglobulin G monoclonal antibodies [Crop-pel] 182 (Fe)

#### Enchondromatosis

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

#### End-Stage Renal Disease see Kidney Failure, Chronic

#### Endocarditis

Clinical utility of cardiac valve Gram stain and culture in patients undergoing native valve replacement [Chuard] 412 (My)

#### Endometrial Neoplasms

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

#### Enterochromaffin Cells

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

#### Enzyme Precursors

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)

#### Enzyme-Linked Immunosorbent Assay

A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)

Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)

#### Enzymology

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

#### Epidemiology

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

#### Epidermal Cyst

Primary intracerebellar osteosarcoma arising within an epidermoid cyst [Cannon] 737 (Au)

#### Epithelial Cells

An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions [Dikov] 875 (Oc)

#### Epithelial Membrane Antigen see CA-15-3 Antigen

#### Epithelioid Leiomyosarcoma see Leiomyosarcoma

#### Epstein-Barr Virus see Herpesvirus 4, Human

#### Equipment Contamination

Lack of asbestos contamination of paraffin [Dodson] 1103 (De)

#### Equipment Design

The light-scattering whole blood aggregometer: a novel device for assessment of platelet aggregation in undiluted blood [Zheng] 880 (Oc)

#### Erythroblasts

Bone marrow flow findings in childhood anemia: prevalence of transient erythroblastopenia of childhood [Farhi] 638 (Jy)

#### Erythrocyte Transfusion see Blood Transfusion

#### Erythrocytes

Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vase] 77 (Ja)

#### Ethics, Medical

Providing human tissues for research: how to establish a program [Grizzle] 1065 (De)

Research and training on the newly dead (letter) [Zirkin] (reply) [Rosner] 213 (Mr)

#### Ethnic Groups

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

#### Ethnology

Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent [Fisher] 156 (Fe); correction, 446 (My)

#### Etiology

The attributes of medical event-reporting systems: experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

#### Evaluation Studies

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

#### Extracellular Matrix Proteins

Possible relation of osteopontin to development of psammoma bodies in human papillary thyroid cancer [Tunio] 1087 (De)

#### Extracellular Space

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

#### Extramammary Neoplasms

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

## F

#### Factor V

Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

Testing for resistance to activated protein C factor V R506Q (letter) [Mack] (reply) [Longtine] 1046 (De)

#### Factor VIII-Related Antigen see von Willebrand Factor

#### False Negative Reactions

Effectiveness of multiple-level sectioning in detecting axillary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis [Zhang] 687 (Au)

ThinPrep Papanicolaou testing to reduce false-negative cervical cytology [Linder] 139 (Fe)

#### False Positive Reactions

Clinical utility of cardiac valve Gram stain and culture in patients undergoing native valve replacement [Chuard] 412 (My)

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

#### Fatal Outcome

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome [Rabah] 1030 (No)

Lipoblastomatosis combined with intestinal neuronal dysplasia [Huang] 191 (Fe)

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

Primary intracerebellar osteosarcoma arising within an epidermoid cyst [Cannon] 737 (Au)

Pulmonary hypertension associated with systemic lupus erythematosus: predominantly thrombotic arteriopathy accompanied by plexiform lesions [Yokoi] 467 (My)

A rare common hepatic duct diverticulum causing fatal biliary obstruction and sepsis [Flowers] 197 (Fe)

#### FDA see United States Food and Drug Administration

#### Feasibility Studies

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

#### Fibrin Tissue Adhesive

Risk and clinical significance of developing antibodies induced by topical thrombin preparations [Dorion] 887 (Oc)

#### Fibroblast Growth Factor

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

#### Fibroblasts

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

#### Fibrocystic Disease of Breast

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

#### Fibroma

Collagenous fibroma (desmoplastic fibroblastoma): report of four cases and review of the literature [Hasegawa] 455 (My)

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

#### Fibronectins

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

#### Fibrosis

Effects of gonadotropin-releasing hormone agonists on uterine leiomyomas (letter) [Cramer] (reply) [Kalir] 1045 (De)

The histologic effects of low-dose methotrexate therapy for primary biliary cirrhosis [Bach] 342 (Ap)

Obliterative central bronchitis due to mineral dust in patients with pneumoconiosis [Kampalath] 56 (Ja)

#### Flow Cytometry

Analyte-specific reagents in the flow cytometry laboratory [Caldwell] 861 (Oc)

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

CD10 expression in follicular lymphoma and large cell lymphoma is different from that of reactive lymph node follicles [Almasri] 539 (Je)

Follicular center cell lymphoma with an extremely high content of T cells: case report with useful diagnostic techniques [Dunphy] 936 (Oc)

Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology [Brink] 1018 (No)

Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)

#### Fluorescence In Situ Hybridization see In Situ Hybridization, Fluorescence

#### Fluorescent Antibody Technique

Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1 [Soontrornjomykij] 534 (Je)

Detection of antinuclear antibodies: comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Homburger] 993 (No)

Identification of the microsporidian *Encephalitozoon hellem* using immunoglobulin G monoclonal antibodies [Crop-pel] 182 (Fe)

#### Follicular Dendritic Cells see Dendritic Cells

#### Food and Drug Administration see United States Food and Drug Administration

#### Forensic Medicine

Forensic autopsy in a pathology training program [Dja-bourian] 750 (Au)

Practice guideline for forensic pathology [Randall] 1056 (De)

#### Formaldehyde

Detection of apoptosis using hematoxylin-eosin (letter) [Kashihara] (reply) [Drachenberg] 493 (Je)

Effects of pre-fixation and fixation times on apoptosis detection by in situ end-labeling of fragmented DNA [Tateyama] 252 (Mr)

Use of perfusion fixation for improved neuropathologic examination (letter) [Miller] 949 (No)

#### Formalin see Formaldehyde

#### Forms and Records Control

Specimen banks for cancer prognostic factor research [Burke] 871 (Oc)

#### Fuchsin see Rosaniline Dyes

#### Fungus

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

#### Fusarium

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

## G

**Gallbladder**

Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bieneusi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

**Ganglia**

Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

**Gastric Mucosa**

A new triple stain for *Helicobacter pylori* suitable for the autostainer: carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)

**Gastrointestinal Hemorrhage**

Systemic calciphylaxis associated with massive gastrointestinal hemorrhage [Brown] 656 (Jy)

**Gene Amplification**

Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors [Bridge] 187 (Fe)

**Gene Rearrangement**

Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)

**Genes**

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

**Genes, ras**

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

**Genes, Suppressor, Tumor**

Apoptosis: basic concepts and potential significance in human cancer [Staunton] 310 (Ap)

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

**Genetic Counseling**

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

**Genetic Markers**

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

**Genetic Screening**

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

**Genetic Techniques**

Analyte-specific reagents and the clinical laboratory [Tubbs] 585 (Jy)

**Genetics**

Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)

Apoptosis: basic concepts and potential significance in human cancer [Staunton] 310 (Ap)

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506G in 370 patients [Montes] 325 (Ap) Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

Human T-cell lymphotropic virus-1-positive T-cell leukemia/lymphoma (letter) [Mehta] (reply) [Lin] 582 (Jy)

Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors [Bridge] 187 (Fe)

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Mosnier] 416 (My)

Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)

Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasef] 77 (Ja)

**Genotype**

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation

analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

**Germinal Center**

Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1 [Sontornniyomkij] 534 (Je)

**Giant Cells**

Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1 [Sontornniyomkij] 534 (Je)

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

**Giant Lymph Node Hyperplasia**

Isolated leptomeningeal Castleman's disease with viral particles in the follicular dendritic cells [Gulati] 1026 (No)

**Glial Fibrillary Acidic Protein**

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

**Glioblastoma**

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

**Gliosis**

Rosenthal fibers in a classic acoustic schwannoma (letter) [Kepes] (reply) [Brown] 673 (Au)

**Glomerulonephritis**

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

**Glycogen**

Glycogen-rich malignant melanomas and glycogen-rich balloon cell malignant melanomas: frequency and pattern of PAS positivity in primary and metastatic melanomas [Nowak] 353 (Ap)

**Glycoprotein Precursors see Protein Precursors****Glycoproteins**

90K (Mac-2 BP) predicts CD4 decline in human immunodeficiency virus-infected patients with CD4 counts above  $200 \times 10^6$  cells/L [Tinari] 178 (Fe)

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

**Gonadorelin**

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

**Gonadotropin-Releasing Hormone see Gonadorelin****Gonadotropin-Releasing Hormone Agonists**

Effects of gonadotropin-releasing hormone agonists on uterine leiomyomas (letter) [Cramer] (reply) [Kalir] 1045 (De)

**Government Regulations see Legislation and Jurisprudence****Gram Stain**

Clinical utility of cardiac valve Gram stain and culture in patients undergoing native valve replacement [Chuard] 412 (My)

**Granulomatous Disease, Chronic**

Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy [Kouritis] 562 (Je)

**Gross Cystic Disease Fluid Protein-15**

Perianal Paget's disease: distinguishing primary and secondary lesions using immunohistochemical studies including gross cystic disease fluid protein-15 and cytokeratin 20 expression [Nowak] 1077 (De)

**Growth Substances**

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

## H

**Hamartoma**

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

**Hazard Management see Safety Management****HCFA see United States Health Care Financing Administration****Head and Neck Neoplasms**

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

The utility of parotid gland and level I and II neck fine-needle aspiration [Raab] 823 (Se)

**Health Care Financing Administration see United States Health Care Financing Administration****Health Services Research**

Pathology information systems: data mining leads to knowledge discovery [McDonald] 409 (My)

**Heart Diseases**

Clinicopathologic heterogeneity in hypertrophic cardiomyopathy with regard to age, asymmetric septal hypertrophy, and concentric hypertrophy beyond the pediatric age group [Litovsky] 434 (My)

Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

**Heart Failure, Congestive**

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

**Heart Neoplasms**

Cardiac angiosarcoma: an unusual presentation with cutaneous metastases [Pomper] 273 (Mr)

**Heart Valves**

Clinical utility of cardiac valve Gram stain and culture in patients undergoing native valve replacement [Chuard] 412 (My)

**Helicobacter pylori**

A new triple stain for *Helicobacter pylori* suitable for the autostainer: carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)

**Hemangi endothelioma**

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangi endothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

Epithelioid hemangi endothelioma of the liver mimicking Budd-Chiari syndrome [Walsh] 846 (Se)

**Hemangioma**

Pulmonary capillary hemangioma: a unique feature of congestive vasculopathy associated with hypertrophic cardiomyopathy [Jing] 94 (Ja)

Uterine arteriovenous malformation necessitating hysterectomy with bilateral salpingo-oophorectomy in a young pregnant patient [Majumdar] 842 (Se)

**Hemangiosarcoma**

Cardiac angiosarcoma: an unusual presentation with cutaneous metastases [Pomper] 273 (Mr)

Primary renal angiosarcoma: a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature [Cerrilli] 929 (Oc)

**Hematocrit**

Bone marrow biopsy findings in childhood anemia: prevalence of transient erythroblastopenia of childhood [Farhi] 638 (Jy)

**Hematoxylin**

A new triple stain for *Helicobacter pylori* suitable for the autostainer: carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)

**Hemochromatosis**

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

**Hemoglobins**

Early morning blood collections: a College of American Pathologists Q-Probes study of 657 institutions [Dale] 865 (Oc)

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 505 hospital laboratories [Steindl] 401 (My)

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

**Hemorrhage**

Risk and clinical significance of developing antibodies induced by topical thrombin preparations [Dorion] 887 (Oc)

**Hemosiderin**

Pulmonary capillary hemangioma: a unique feature of congestive vasculopathy associated with hypertrophic cardiomyopathy [Jing] 94 (Ja)

**Heparin**

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)



College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)

#### Hepatic Vein Thrombosis

Epithelioid hemangioendothelioma of the liver mimicking Budd-Chiari syndrome [Walsh] 846 (Se)

#### Hepatitis B

Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)

#### Hepatitis B Vaccines

Infectious vaccines [Ross] 100 (Ja)

#### Hepatitis C

Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Mosnier] 416 (My)

#### Herpesviridae

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

**Herpesvirus, Human 8 see Herpesvirus, Kaposi's Sarcoma-Associated**

#### Herpesvirus, Kaposi Sarcoma-Associated

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

#### Herpesvirus 4, Human

Epstein-Barr virus-associated renal smooth muscle neoplasia: report of a case with review of the literature [Creager] 277 (Mr)

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)

#### Heterozygote

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

#### High-Density Lipoprotein Cholesterol see Lipoproteins, HDL Cholesterol

#### Hirschsprung Disease

Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

#### Hirudin

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)

#### Histiocytoma, Fibrous

Carcinosarcoma of the parotid gland: report of a case with cytohistologic and immunohistochemical findings [Latkovich] 743 (Au)

#### Histiocytosis

Isolated intracranial involvement in Rosai-Dorfman disease: a report of two cases and review of the literature [Deodhare] 161 (Fe)

Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia [Bosman] 920 (Oc)

#### Histiocytochemistry

A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

#### Histology see Anatomy and Histology

#### HIV

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1 [Sontornniyomkij] 534 (Je)

Diagnostic implication of Kaposi's sarcoma-associated her-

pesvirus with special reference to the distinction between spindle cell hemangioendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies [Astles] 700 (Au)

Indinavir crystalluria: identification of patients at increased risk of developing nephrotoxicity [Trainor] 256 (Mr)

Infectious vaccines [Ross] 100 (Ja)

90K (Mac-2 BP) predicts CD4 decline in human immunodeficiency virus-infected patients with CD4 counts above  $200 \times 10^6$  cells/L [Tinari] 178 (Fe)

Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)

#### Hospital Charges

Allogeneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection [Vamvakas] 145 (Fe)

#### Hospital Incident Reporting see Risk Management

#### Hospitals, Community

Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)

#### Hospitals, Rural

Early morning blood collections: a College of American Pathologists Q-Probes study of 657 institutions [Dale] 865 (Oc)

#### Human Immunodeficiency Virus see HIV

#### Hydatidiform Mole

DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification [Gschwendtner] 1000 (No)

#### Hypergammaglobulinemia

Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia [Bosman] 920 (Oc)

#### Hyperplasia

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

Nodular neuronal hyperplasia: a distinct morphologic type of pseudopolyp in inflammatory bowel disease [Popiolek] 194 (Fe)

#### Hyperplasia, Ductal, Atypical

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

#### Hypertension

Systemic calciphylaxis associated with massive gastrointestinal hemorrhage [Brown] 656 (Jy)

#### Hypertension, Pulmonary

Pulmonary hypertension associated with systemic lupus erythematosus: predominantly thrombotic arteriopathy accompanied by plexiform lesions [Yokoi] 467 (My)

#### Hypertrophy

Clinicopathologic heterogeneity in hypertrophic cardiomyopathy with regard to age, asymmetric septal hypertrophy, and concentric hypertrophy beyond the pediatric age group [Litovsky] 434 (My)

Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

#### Hypertrophy, Chemically Induced

Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy [Kouritis] 562 (Je)

#### Hypopharynx

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

#### Hysterectomy

Uterine arteriovenous malformation necessitating hysterectomy with bilateral salpingo-oophorectomy in a young pregnant patient [Majmudar] 842 (Se)

#### IgG

Identification of the microsporidian *Encephalitozoon hellem* using immunoglobulin G monoclonal antibodies [Cropo] 182 (Fe)

#### Ileal Neoplasms

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

#### Ileitis

An unusual case associating ileal Crohn's disease and diffuse large B-cell lymphoma of an adjacent mesenteric lymph node [Charlotte] 559 (Je)

#### Image Analysis, Computer-Assisted see Image Processing, Computer-Assisted

#### Image Enhancement

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

#### Image Processing, Computer-Assisted

Comparative study of computer-assisted image analysis and light-microscopically determined estrogen receptor status of breast carcinomas [Bejar] 346 (Ap)

DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification [Gschwendtner] 1000 (No)

#### Immune Sera

Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies [Brett] 69 (Ja)

#### Immunocompromised Host

Blood transfusion immunomodulation: the silent epidemic [Blumberg] 117 (Fe)

#### Immunoenzyme Techniques

Detection of antinuclear antibodies: comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Homburger] 993 (No)

Follicular center cell lymphoma with an extremely high content of T cells: case report with useful diagnostic techniques [Dunphy] 936 (Oc)

Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies [Astles] 700 (Au)

#### Immunofluorescence Antibody Test, Indirect see Fluorescent Antibody Technique

#### Immunoglobulins

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia [Bosman] 920 (Oc)

#### Immunohistochemistry

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

Cell proliferative activity in intra ductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study [Terada] 42 (Ja)

Clinicopathologic features of neuroendocrine carcinomas of the stomach: appraisal of small cell and large cell variants [Matsui] 1010 (No)

Comparative study of computer-assisted image analysis and light-microscopically determined estrogen receptor status of breast carcinomas [Bejar] 346 (Ap)

Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1 [Sontornniyomkij] 534 (Je)

Effectiveness of multiple-level sectioning in detecting axillary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis [Zhang] 687 (Au)

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)

Immunohistochemical analysis of proteins of the bcl-2 family in pulmonary lymphangioleiomyomatosis: association of bcl-2 expression with hormone receptor status [Usuki] 895 (Oc)

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

Isolated intracranial involvement in Rosai-Dorfman disease: a report of two cases and review of the literature [Deodhare] 161 (Fe)

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

Nodular neuronal hyperplasia: a distinct morphologic type of pseudopolyp in inflammatory bowel disease [Popiolek] 194 (Fe)

Papillary adenocarcinoma arising in placental bullous lesion of the lung: report of a case with immunohistochemical study [Hano] 915 (Oc)

Perianal Paget's disease: distinguishing primary and sec-



- ondary lesions using immunohistochemical studies including gross cystic disease fluid protein-15 and cytokeratin 20 expression [Nowak] 1077 (De)
- Perineurioma with ossification:** a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)
- Primary renal angiosarcoma:** a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature [Cerilli] 929 (Oc)
- Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C** [Mosnier] 416 (My)
- Rhabdomyosarcoma mimicking acute leukemia** (letter) [Parham] (reply) [Kahn] 1047 (De)
- Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies** [Kahn] 375 (Ap)
- Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation** [Gillcrease] 907 (Oc)
- Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study** [Deckard-Janatpour] 266 (Mr)
- Tyramine-amplified immunohistochemical testing using "homemade" biotinylated tyramine is highly sensitive and cost-effective** [Jacobs] 642 (Jy)
- Unclassified sex cord-stromal tumors of the ovary: a report of eight cases** [Simpson] 52 (Ja)
- Immunology**
- Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery** [Meneses] 447 (My)
- Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy** [Arrizabalaga] 817 (Se)
- Mediastinal granulocytic sarcoma: a report of two cases** [McCluggage] 545 (Je)
- Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C** [Mosnier] 416 (My)
- Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization** [Lones] 708 (Au)
- Immunoperoxidase Techniques see Immunoenzyme Techniques**
- Immunophenotyping**
- CD10 expression in follicular lymphoma and large cell lymphoma is different from that of reactive lymph node follicles** [Almasri] 539 (Je)
- Follicular center cell lymphoma with an extremely high content of T cells: case report with useful diagnostic techniques** [Dunphy] 936 (Oc)
- Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology** [Brink] 1018 (No)
- Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies** [Kahn] 375 (Ap)
- An unusual case associating ileal Crohn's disease and diffuse large B-cell lymphoma of an adjacent mesenteric lymph node** [Charlotte] 559 (Je)
- Immunosuppression**
- Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine** [Itoh] 333 (Ap)
- Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy** [Kourits] 562 (Je)
- Epstein-Barr virus-associated renal smooth muscle neoplasm: report of a case with review of the literature** [Creager] 277 (Mr)
- Immunosuppressive Agents**
- The histologic effects of low-dose methotrexate therapy for primary biliary cirrhosis** [Bach] 342 (Ap)
- Impedance see Electric Impedance**
- In Situ Hybridization, Fluorescence**
- Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors** [Bridge] 187 (Fe)
- Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization** [Lones] 708 (Au)
- Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature** [Vasef] 77 (Ja)
- Inclusion Bodies**
- Rosenthal fibers in a classic acoustic schwannoma** (letter) [Kapes] (reply) [Brown] 673 (Au)
- Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia** [Bosman] 920 (Oc)
- Inclusion Bodies, Viral**
- An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions** [Dikov] 875 (Oc)
- Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine** [Itoh] 333 (Ap)
- Isolated leptomeningeal Castleman's disease with viral particles in the follicular dendritic cells** [Gulati] 1026 (No)
- Indicators and Reagents**
- Analyte-specific reagents and the clinical laboratory** [Tabbs] 585 (Jy)
- Analyte-specific reagents in the flow cytometry laboratory** [Caldwell] 861 (Oc)
- Comparison of 2 homogeneous high-density lipoprotein cholesterol assays** [Hoang] 1005 (No)
- Extension of useful reagent shelf life beyond manufacturers' recommendations** [Tabbs] 1051 (De)
- Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens** [Davis] 972 (No)
- Indinavir**
- Indinavir crystalluria: identification of patients at increased risk of developing nephrotoxicity** [Trainer] 256 (Mr)
- Indomethacin**
- Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery** [Meneses] 447 (My)
- Infant, Newborn, Diseases**
- Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies** [Brett] 69 (Ja)
- Infection**
- Diagnostic utility of postmortem fine-needle aspiration cultures** [Aranda] 650 (Jy)
- Inflammation**
- Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine** [Itoh] 333 (Ap)
- Inhibit**
- Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation** [Gillcrease] 907 (Oc)
- Injections, Subcutaneous**
- The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation** [Zauch] 982 (No)
- Innervation**
- Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease** [Monforte-Muñoz] 721 (Au)
- Instrumentation**
- Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals** [Novis] 495 (Je)
- Insulin-Like Growth-Factor Binding Protein 1**
- MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1** [Nasu] 836 (Se)
- Intercellular Adhesion Molecule-1**
- Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy** [Arrizabalaga] 817 (Se)
- MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1** [Nasu] 836 (Se)
- Interferon Gamma, Recombinant**
- Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy** [Kourits] 562 (Je)
- Interleukin**
- MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1** [Nasu] 836 (Se)
- International Normalized Ratio**
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction** [Brandt] 765 (Se)
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy** [Fairweather] 768 (Se)
- Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens** [Davis] 972 (No)
- International Sensitivity Index**
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy** [Fairweather] 768 (Se)
- Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens** [Davis] 972 (No)
- Internship and Residency**
- Forensic autopsy in a pathology training program** [Djabourian] 750 (Au)
- Intestinal Diseases**
- Systemic calciphylaxis associated with massive gastrointestinal hemorrhage** [Brown] 656 (Jy)
- Intestinal Mucosa**
- Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease** [Monforte-Muñoz] 721 (Au)
- Intestinal Pseudo-Obstruction**
- Lipoblastomatosis combined with intestinal neuronal dysplasia** [Huang] 191 (Fe)
- Iodine**
- Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497,134 specimens from adult patients** [Schifman] 216 (Mr)
- Isolation and Purification**
- Identification of the microsporidian *Encephalitozoon hellem* using immunoglobulin G monoclonal antibodies** [Crop] 182 (Fe)
- Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba** [Ito] 520 (Je)
- A new triple stain for *Helicobacter pylori* suitable for the auto-stainer: carbol fuchsin/Alcian blue/hematoxylin-eosin** [El-Zimaity] 732 (Au)
- J
- Jaw Neoplasms**
- Recurrence of unicystic ameloblastoma: a case report and review of the literature** [Li] 371 (Ap)
- Jejunal Neoplasms**
- Giant heterotopic gastric polyp in the jejunum** [Nowak] 90 (Ja)
- Jewish Ethics see Judaism**
- Judaism**
- Research and training on the newly dead** (letter) [Zirkin] (reply) [Rosner] 213 (Mr)
- K
- K-ras Genes see Genes, ras**
- Kaposi Sarcoma see Sarcoma, Kaposi**
- Karyotyping**
- Human T-cell lymphotropic virus-1-positive T-cell leukemia/lymphoma** (letter) [Mehta] (reply) [Lin] 582 (Jy)
- Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors** [Bridge] 187 (Fe)
- MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1** [Nasu] 836 (Se)
- Kearns, Patrick H**
- The Archives of Pathology & Laboratory Medicine: a new beginning** [McClatchey] 399 (My)
- Keratin**
- Angiomyolipoma of the lung** [Ito] 1023 (No)
- Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature** [Hu] 97 (Ja)
- Carcinoma of the parotid gland: report of a case with cytologic and immunohistochemical findings** [Latkovich] 743 (Au)
- Cell proliferative activity in intraductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study** [Terada] 42 (Ja)
- Effectiveness of multiple-level sectioning in detecting axillary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis** [Zhang] 687 (Au)
- Perianal Paget's disease: distinguishing primary and secondary lesions using immunohistochemical studies including gross cystic disease fluid protein-15 and cytokeratin 20 expression** [Nowak] 1077 (De)
- Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study** [Deckard-Janatpour] 266 (Mr)
- Ki-67 Antigen**
- Cell proliferative activity in intraductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study** [Terada] 42 (Ja)

## Kidney

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

## Kidney, Cystic

Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma [Dry] 260 (Mr)

## Kidney Calculi

Indinavir crystalluria: identification of patients at increased risk of developing nephrotoxicity [Trainor] 256 (Mr)

## Kidney Diseases

Chlamydoconidia formation in zygomycosis due to *Rhizopus* species [Kimura] 1120 (De)

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

## Kidney Failure, Chronic

Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma [Dry] 260 (Mr)

Systemic calciphylaxis associated with massive gastrointestinal hemorrhage [Brown] 656 (Jy)

## Kidney Glomerulosis

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

## Kidney Neoplasms

Congenital malignant rhabdoid tumor presenting as a cutaneous nodule: report of 2 cases with review of the literature [Hsueh] 1099 (De)

Epstein-Barr virus-associated renal smooth muscle neoplasm: report of a case with review of the literature [Creager] 277 (Mr)

Primary renal angiosarcoma: a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature [Cerilli] 929 (Oc)

## Kidney Tubules, Proximal

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

## L

## Laboratories, Hospital

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 505 hospital laboratories [Steindel] 401 (My)

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

Laboratory Information System see Clinical Laboratory Information System

## Laboratory Personnel

Proficiency testing in laboratory medicine: uses and limitations [Shahangian] 15 (Ja)

## Laboratory Techniques and Procedures

The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)

Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction [Brandt] 765 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

Comparison of 2 homogeneous high-density lipoprotein cholesterol assays [Hoang] 1005 (No)

Detection of apoptosis using hematoxylin-eosin (letter) [Kashihara] (reply) [Drachenberg] 493 (Je)

Effectiveness of multiple-level sectioning in detecting axillary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis [Zhang] 687 (Au)

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies [Astles] 700 (Au)

Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)

Meta-analyses of studies of the diagnostic accuracy of laboratory tests: a review of the concepts and methods [Vamvakas] 675 (Au)

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

Needle biopsies of the prostate: what constitutes adequate histologic sampling? [Lane] 833 (Se)

A new triple stain for *Helicobacter pylori* suitable for the autostainer: carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)

Practice guideline for forensic pathology [Randall] 1056 (De)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

Testing for resistance to activated protein C factor V R506Q (letter) [Mack] (reply) [Longline] 1046 (De)

Validation of the laboratory information system [Cowan] 239 (Mr)

Web-based pathology education [Klatt] 475 (My)

## Laminin

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies [Brett] 69 (Ja)

Langdell, Robert D

The Archives of Pathology & Laboratory Medicine: a new beginning [McCladvey] 399 (My)

## Laryngeal Neoplasms

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

## Lasers

The light-scattering whole blood aggregometer: a novel device for assessment of platelet aggregation in undiluted blood [Zheng] 880 (Oc)

## Lectin Receptors see Receptors, Mitogen

## Lectins

A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)

Primary renal angiosarcoma: a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature [Cerilli] 929 (Oc)

Legal Aspects see Legislation and Jurisprudence

## Legal Medicine see Forensic Medicine

## Legislation and Jurisprudence

Analyte-specific reagents and the clinical laboratory [Tubbs] 585 (Jy)

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)

Practice guideline for forensic pathology [Randall] 1056 (De)

Providing human tissues for research: how to establish a program [Grizzle] 1065 (De)

Validation of the laboratory information system [Cowan] 239 (Mr)

## Leiomyoma

Effects of gonadotropin-releasing hormone agonists on uterine leiomyomas (letter) [Cramer] (reply) [Kalir] 1045 (De)

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

Primary myxoid leiomyoma of the liver [Yoon] 1112 (De)

Leiomyosarcoma

Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

## Length of Stay

Alloteneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection [Vamvakas] 145 (Fe)

## Leu-7

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

## Leukemia

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

Human T-cell lymphotropic virus-1-positive T-cell leukemia/lymphoma (letter) [Mehta] (reply) [Lin] 582 (Jy)

Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology [Brink] 1018 (No)

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

Rhabdomyosarcoma mimicking acute leukemia (letter) [Parham] (reply) [Kahn] 1047 (De)

Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)

Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasef] 77 (Ja)

Leukocyte Common Antigen see Antigens, CD45

## Leukocytes

Allogeneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection [Vamvakas] 145 (Fe)

Blood transfusion immunomodulation: the silent epidemic [Blumberg] 117 (Fe)

Leukocyte infiltration and intercellular adhesion molecule-1-mediated cell interactions in immunoglobulin A nephropathy [Arrizabalaga] 817 (Se)

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

## Leuprolide

Effects of gonadotropin-releasing hormone agonists on uterine leiomyomas (letter) [Cramer] (reply) [Kalir] 1045 (De)

## Lewis Blood-Group System

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

## Liability

The attributes of medical event-reporting systems: experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)

## Light Microscopy see Microscopy

## Lip Neoplasms

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

## Lipofuscin

An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions [Dikov] 875 (Oc)

## Lipoma

Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors [Bridge] 187 (Fe)

## Lipomatosis

Lipomatosis combined with intestinal neuronal dysplasia [Huang] 191 (Fe)

## Lipoproteins, HDL Cholesterol

Comparison of 2 homogeneous high-density lipoprotein cholesterol assays [Hoang] 1005 (No)

## Liposarcoma, Myxoid

Primary myxoid liposarcoma with rhabdomyoblastic differentiation [Govender] 740 (Au)

## Liver

Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Mosnier] 416 (My)

## Liver Cirrhosis, Biliary

The histologic effects of low-dose methotrexate therapy for primary biliary cirrhosis [Bach] 342 (Ap)

## Liver Diseases

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

## Liver Failure, Acute

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

## Liver Neoplasms

Epithelioid hemangioendothelioma of the liver mimicking Budd-Chiari syndrome [Walsh] 846 (Se)

Primary myxoid leiomyoma of the liver [Yoon] 1112 (De)

## Liver Transplantation

The neuropathology of orthotopic liver transplantation: an autopsy series of 16 patients [McCarron] 726 (Au)

## Lung

Pulmonary hypertension associated with systemic lupus erythematosus; predominantly thrombotic arteriopathy accompanied by plexiform lesions [Yokoi] 467 (My)

#### Lung Diseases

Angiomatoid pneumonia of the lung [Ito] 1023 (No)

Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent [Fisher] 156 (Fe); correction, 446 (My)

Immunohistochemical analysis of proteins of the bcl-2 family in pulmonary lymphangiomyomatosis: association of bcl-2 expression with hormone receptor status [Usuki] 895 (Oc)

Lack of asbestos contamination of paraffin [Dodson] 1103 (De)

Papillary adenocarcinoma arising in placental bullous lesion of the lung: report of a case with immunohistochemical study [Hano] 915 (Oc)

Pulmonary capillary hemangiomas: a unique feature of congestive vasculopathy associated with hypertrophic cardiomyopathy [Jing] 94 (Ja)

#### Lung Neoplasms

Glycogen-rich malignant melanomas and glycogen-rich balloon cell malignant melanomas: frequency and pattern of PAS positivity in primary and metastatic melanomas [Nowak] 353 (Ap)

Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors [Bridge] 187 (Fe)

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

#### Lupron see Leuprolide

#### Lupus Coagulation Inhibitor

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

#### Lupus Erythematosus, Systemic

Pulmonary hypertension associated with systemic lupus erythematosus: predominantly thrombotic arteriopathy accompanied by plexiform lesions [Yokoi] 467 (My)

Luteinizing Hormone-Releasing Hormone see Gnadorelin

#### Lymph Nodes

CD10 expression in follicular lymphoma and large cell lymphoma is different from that of reactive lymph node follicles [Almasri] 539 (Je)

Effectiveness of multiple-level sectioning in detecting axillary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis [Zhang] 687 (Au)

Mucicarmophilic histiocytosis (benign signet-ring cells) and hyperplastic mesothelial cells: two mimics of metastatic carcinoma within a single lymph node [Groisman] 282 (Mr)

Obstructive central bronchitis due to mineral dust in patients with pneumoconiosis [Kampalath] 56 (Ja)

An unusual case associating ileal Crohn's disease and diffuse large B-cell lymphoma of an adjacent mesenteric lymph node [Charlotte] 559 (Je)

#### Lymphangiomyomatosis

Immunohistochemical analysis of proteins of the bcl-2 family in pulmonary lymphangiomyomatosis: association of bcl-2 expression with hormone receptor status [Usuki] 895 (Oc)

#### Lymphatic Metastasis

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

Effectiveness of multiple-level sectioning in detecting axillary nodal micrometastasis in breast cancer: a retrospective study with immunohistochemical analysis [Zhang] 687 (Au)

Infiltrating papillary thyroid carcinoma: review of 134 cases of papillary carcinoma [Mai] 166 (Fe)

Pseudoinvasive, nodular extramammary Paget's disease of the vulva [Billings] 471 (My)

Lymphocyte Immunophenotyping see Immunophenotyping

#### Lymphoid Tissue

Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1 [Soomtorunyomkij] 534 (Je)

#### Lymphoma

CD10 expression in follicular lymphoma and large cell lymphoma is different from that of reactive lymph node follicles [Almasri] 539 (Je)

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

Follicular center cell lymphoma with an extremely high content of T cells: case report with useful diagnostic techniques [Dunphy] 936 (Oc)

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytogenetics [Brink] 1018 (No)

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)

An unusual case associating ileal Crohn's disease and diffuse large B-cell lymphoma of an adjacent mesenteric lymph node [Charlotte] 559 (Je)

#### Lymphoproliferative Disorders

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

#### M

#### Macaca mulatta

Ultrastructure of atypical (teratoid) sporogonic stages of *Enterocytozoon bienersi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

#### Macrophages

Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent [Fisher] 156 (Fe); correction, 446 (My)

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

Pulmonary capillary hemangiomas: a unique feature of congestive vasculopathy associated with hypertrophic cardiomyopathy [Jing] 94 (Ja)

#### Maffucci Syndrome see Enchondromatosis

#### Magnetic Resonance Imaging

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

Primary intracerebellar osteosarcoma arising within an epidermoid cyst [Cannon] 737 (Au)

#### Major Histocompatibility Complex

Infectious vaccines [Ross] 100 (Ja)

#### Malignant Melanoma see Melanoma

#### Mantle Cell Lymphoma see Lymphoma

#### Marital Status

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

#### Markers, Biological see Biological Markers

#### Markers, Genetic see Genetic Markers

#### Markers, Tumor see Tumor Markers, Biological

#### Maryland

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

#### Mass Screening

ThinPrep Papanicolaou testing to reduce false-negative cervical cytology [Linder] 139 (Fe)

#### McClatchey, Kenneth D

Kenneth D. McClatchey, DDS, MD: the seventh editor of the *Archives of Pathology & Laboratory Medicine* [McLendon] 397 (My)

#### McLendon, William W

The *Archives of Pathology & Laboratory Medicine*: a new beginning [McClatchey] 399 (My)

#### Mediastinal Neoplasms

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

#### Mediastinitis

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation [Zauch] 982 (No)

#### Medical Errors

The attributes of medical event-reporting systems: experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)

Some hopes and concerns regarding medical event-reporting systems: lessons from the NASA Aviation Safety Reporting System [Billings] 214 (Mr)

#### Medical Informatics Computing

Pathology information systems: data mining leads to knowledge discovery [McDonald] 409 (My)

#### Medical Records

Amended reports in surgical pathology and implications for diagnostic error detection and avoidance: a College of American Pathologists Q-Probes study of 1667/547 accessioned cases in 359 laboratories [Nakhleh] 303 (Ap)

Application of synoptic reports (letter) [Nuchomovitz] (reply) [Compton] 493 (Je)

Examining amended reports in surgical pathology [Hilborne] 301 (Ap)

Practice guideline for forensic pathology [Randall] 1056 (De)

Radical prostatectomy specimens among Medicare patients in New York State: a review of pathologists' reports [Imperato] 966 (No)

#### Medicare

Radical prostatectomy specimens among Medicare patients in New York State: a review of pathologists' reports [Imperato] 966 (No)

#### Medicolegal Aspects see Legislation and Jurisprudence

#### Medulloblastoma

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

#### Megakaryocytes

Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasefi] 77 (Ja)

#### Melanins

Epithelioid psammomatous melanotic schwannoma with osseous metaplasia [Grayson] 285 (Mr)

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

#### Melanocytes

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

#### Melanoma

Cerebrospinal fluid cytology: an 11-year experience with 5951 specimens [Prayson] 47 (Ja)

Epithelioid psammomatous melanotic schwannoma with osseous metaplasia [Grayson] 285 (Mr)

Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

Glycogen-rich malignant melanomas and glycogen-rich balloon cell malignant melanomas: frequency and pattern of PAS positivity in primary and metastatic melanomas [Nowak] 353 (Ap)

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

#### MELAS Syndrome

Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome [Prayson] 978 (No)

#### Meningioma

Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)

Isolated intracranial involvement in Rosai-Dorfman disease: a report of two cases and review of the literature [Deodhare] 161 (Fe)

#### Meningitis, Fungal

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome [Rabah] 1030 (No)

#### Mesentery

An unusual case associating ileal Crohn's disease and diffuse large B-cell lymphoma of an adjacent mesenteric lymph node [Charlotte] 559 (Je)

#### Mesothelial Cells

Mucicarmophilic histiocytosis (benign signet-ring cells) and hyperplastic mesothelial cells: two mimics of metastatic carcinoma within a single lymph node [Groisman] 282 (Mr)

#### Meta-Analysis

Meta-analyses of studies of the diagnostic accuracy of laboratory tests: a review of the concepts and methods [Vamvakas] 675 (Au)

#### Metabolic Diseases

Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies [Brett] 69 (Ja)

#### Metabolism

Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

Metachronous Neoplasms see Neoplasms, Second Primary

#### Metastasis see Neoplasm Metastasis

#### Methods see Laboratory Techniques and Procedures

#### Methotrexate

The histologic effects of low-dose methotrexate therapy for primary biliary cirrhosis [Bach] 342 (Ap)

#### Mice, Nude

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

#### Microbiological Techniques



Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497 134 specimens from adult patients [Schifman] 216 (Mr)

Clinical utility of cardiac valve Gram stain and culture in patients undergoing native valve replacement [Chuard] 412 (My)

#### Microbiology

Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497 134 specimens from adult patients [Schifman] 216 (Mr)

Clinical utility of cardiac valve Gram stain and culture in patients undergoing native valve replacement [Chuard] 412 (My)

Diagnostic utility of postmortem fine-needle aspiration cultures [Aranda] 650 (Jy)

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

A new triple stain for *Helicobacter pylori* suitable for the autostainer: carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)

#### Microscopy

Adenoma-carcinoid tumors of the colon [Lyda] 262 (Mr)

Apoptosis: basic concepts and potential significance in human cancer [Staanton] 310 (Ap)

Comparative study of computer-assisted image analysis and light-microscopically determined estrogen receptor status of breast carcinomas [Bejar] 346 (Ap)

Confocal microscopy assessment of lymphoid tissues with follicular hyperplasia from patients infected with human immunodeficiency virus type 1 [Sontorniyomkij] 534 (Je)

Lack of asbestos contamination of paraffin [Dodson] 1103 (De)

Leukemic phase of mantle cell lymphoma presenting as anemia: diagnosis by combining flow cytometry and cytomorphology [Brink] 1018 (No)

The light-scattering whole blood aggregometer: a novel device for assessment of platelet aggregation in undiluted blood [Zheng] 880 (Oc)

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

Rhabdomyosarcoma mimicking acute leukemia (letter) [Parham] (reply) [Kahn] 1047 (De)

Rhabdomyosarcoma mimicking acute leukemia in an adult: report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)

Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms [Gilcrease] 644 (Jy)

Unclassified sex cord-stromal tumors of the ovary: a report of eight cases [Simpson] 52 (Ja)

#### Microsporidia

Identification of the microsporidian *Encephalitozoon hellem* using immunoglobulin G monoclonal antibodies [Crop] 182 (Fe)

Ultrastructure of atypical (teratoid) sporogonic stages of *Enterocytozoon bieneusi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

#### Mineral Fibers

Obliterative central bronchitis due to mineral dust in patients with pneumoconiosis [Kampalath] 56 (Ja)

#### Mitochondrial Encephalopathy

Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome [Prayson] 978 (No)

#### Mitochondrial Myopathies

Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome [Prayson] 978 (No)

#### Mixed Tumor, Müllerian

Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation [Gilcrease] 907 (Oc)

#### Models, Decision Support see Decision Support Techniques

#### Monkey Diseases

Ultrastructure of atypical (teratoid) sporogonic stages of *Enterocytozoon bieneusi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

#### Monoclonal Antibodies see Antibodies, Monoclonal

#### Mucocyte Chemoattractant Protein-1

MaMi, a human endometrial stromal sarcoma cell line that

constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

#### Morphology see Anatomy and Histology

#### Mortality

Diagnostic utility of postmortem fine-needle aspiration cultures [Aranda] 650 (Jy)

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

#### Mouth Neoplasms

Primary myxoid liposarcoma with rhabdomyoblastic differentiation [Govender] 740 (Au)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

#### Mucicarmine

Mucicarmine-positive histiocytosis (benign signet-ring cells) and hyperplastic mesothelial cells: two mimics of metastatic carcinoma within a single lymph node [Grisman] 282 (Mr)

#### Mucormycosis

Chlamydoconidia formation in zygomycosis due to *Rhizopus* species [Kimura] 1120 (De)

#### Multigene Family

Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

#### Multiple Endocrine Neoplasia Type 2a

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

#### Muscle Neoplasms

Collagenous fibroma (desmoplastic fibroblastoma): report of four cases and review of the literature [Hasegawa] 455 (My)

Epstein-Barr virus-associated renal smooth muscle neoplasm: report of a case with review of the literature [Creager] 277 (Mr)

#### Muscular Dystrophy

Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies [Brett] 69 (Ja)

#### Mutagenesis, Site-Directed

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

#### Mutation

Differential diagnosis of hereditary hemochromatosis from other liver disorders by genetic analysis: gene mutation analysis of patients previously diagnosed with hemochromatosis by liver biopsy [Bartolo] 633 (Jy)

Infectious vaccines [Ross] 100 (Ja)

#### Mycobacterium

Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)

#### Mycoses

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

#### Myelo-Optico-Neuropathy see Neuromyelitis Optica

#### Myelodysplastic Syndromes

Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasef] 77 (Ja)

#### Myenteric Plexus

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

#### Myocardial Infarction

Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with traumatic chest pain [Chang] 320 (Ap)

A strategy for the use of cardiac injury markers in the diagnosis of acute myocardial infarction (letter) [Wilson] (reply) [Kost] 950 (No)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

#### Myoglobin

Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with traumatic chest pain [Chang] 320 (Ap)

A strategy for the use of cardiac injury markers in the diagnosis of acute myocardial infarction (letter) [Wilson] (reply) [Kost] 950 (No)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

#### Myoma

Effects of gonadotropin-releasing hormone agonists on

uterine leiomyomas (letter) [Cramer] (reply) [Kalir] 1045 (De)

#### N

#### NADPH Dehydrogenase

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

#### NASA see United States National Aeronautics and Space Administration

#### Nasal Sinus Neoplasms see Paranasal Sinus Neoplasms

Nasopharyngeal Neoplasms  
Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

#### Nasopharynx

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

#### National Aeronautics and Space Administration see United States National Aeronautics and Space Administration

#### Necrosis

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

Diffuse hyperplasia of the peribiliary glands [Dumas] 87 (Ja)

The histologic effects of low-dose methotrexate therapy for primary biliary cirrhosis [Bach] 342 (Ap)

Systemic calciphylaxis associated with massive gastrointestinal hemorrhage [Brown] 656 (Jy)

#### Neoplasm Circulating Cells

Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

#### Neoplasm Invasiveness

Glycogen-rich malignant melanomas and glycogen-rich balloon cell malignant melanomas: frequency and pattern of PAS positivity in primary and metastatic melanomas [Nowak] 353 (Ap)

Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

Pseudo-invasive, nodular extramammary Paget's disease of the vulva [Billings] 471 (My)

#### Neoplasm Metastasis

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

Cardiac angiosarcoma: an unusual presentation with cutaneous metastases [Pomper] 273 (Mr)

Congenital malignant rhabdoid tumor presenting as a cutaneous nodule: report of 2 cases with review of the literature [Hsueh] 1099 (De)

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

Infiltrating papillary thyroid carcinoma: review of 134 cases of papillary carcinoma [Mai] 166 (Fe)

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

Mucicarmine-positive histiocytosis (benign signet-ring cells) and hyperplastic mesothelial cells: two mimics of metastatic carcinoma within a single lymph node [Grisman] 282 (Mr)

Perianal Paget's disease: distinguishing primary and secondary lesions using immunohistochemical studies including gross cystic disease fluid protein-15 and cytokeratin 20 expression [Nowak] 1077 (De)

The utility of parotid gland and level I and II neck fine-needle aspiration [Raab] 823 (Se)

#### Neoplasm Proteins

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

#### Neoplasm Staging

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma [Dry] 260 (Mr)

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary



glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

Qualifying the cytologic significance of "atypical squamous cells of undetermined significance" affects the predictive value of a squamous intraepithelial lesion on subsequent biopsy [Genest] 338 (Ap)

Radical prostatectomy specimens among Medicare patients in New York State: a review of pathologists' reports [Imperato] 966 (No)

**Neoplasm Transplantation**

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

**Neoplasms**

Apoptosis: basic concepts and potential significance in human cancer [Staunton] 310 (Ap)

Application of synoptic reports (letter) [Nochomovitz] (reply) [Compton] 493 (Je)

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

Lipoblastomatosis combined with intestinal neuronal dysplasia [Huang] 191 (Fe)

**Neoplasms, Adipose Tissue**

Low-level chromosome 12 amplification in a primary lipoma of the lung: evidence for a pathogenetic relationship with common adipose tissue tumors [Bridge] 187 (Fe)

**Neoplasms, Balloon Cell**

Glycogen-rich malignant melanomas and glycogen-rich balloon cell malignant melanomas: frequency and pattern of PAS positivity in primary and metastatic melanomas [Nowak] 353 (Ap)

**Neoplasms, Glandular and Epithelial**

Adenoma-carcinoid tumors of the colon [Lyda] 262 (Mr)

**Neoplasms, Second Primary**

Adenoma-carcinoid tumors of the colon [Lyda] 262 (Mr)

Extensive calcium oxalate crystal deposition in papillary renal cell carcinoma [Dry] 260 (Mr)

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

**Neoplasms, Unknown Primary**

Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)

**Neoplastic Processes**

Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)

**Nephelometry and Turbidity**

The light-scattering whole blood aggregometer: a novel device for assessment of platelet aggregation in undiluted blood [Zheng] 880 (Oc)

**Nephroblastoma**

Teratoid Wilms tumor arising as a botryoid growth within a supernumerary ectopic ureteropelvic structure [Pawel] 925 (Oc)

**Nerve Fibers**

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

**Nerve Sheath Tumors**

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

**Nerve Tissue Protein S100**

Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

Isolated intracranial involvement in Rosai-Dorfman disease: a report of two cases and review of the literature [Deodhare] 161 (Fe)

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

Nodular neuronal hyperplasia: a distinct morphologic type of pseudopolyp in inflammatory bowel disease [Popolek] 194 (Fe)

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

**Nervous System Diseases**

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pedi-

atric acquired immunodeficiency syndrome [Rabah] 1030 (No)

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation [Zauch] 982 (No)

Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)

Use of perfusion fixation for improved neuropathologic examination (letter) [Miller] 949 (No)

**Nervous System Neoplasms**

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

**Neurilemmoma**

Epithelioid psammomatous melanotic schwannoma with osseous metaplasia [Grayson] 285 (Mr)

Rosenthal fibers in a classic acoustic schwannoma (letter) [Kapes] (reply) [Brown] 673 (Au)

**Neuroendocrine Tumors**

The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon [Foley] 912 (Oc)

**Neurofibromatosis**

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

**Neuroma, Acoustic**

Rosenthal fibers in a classic acoustic schwannoma (letter) [Kapes] (reply) [Brown] 673 (Au)

**Neuromyelitis Optica**

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

**Neuron-Specific Enolase** see **Phosphopyruvate Hydratase Neurons**

Increased submucosal nerve trunk caliber in aganglionosis: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

**Neuroradiography**

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

**Neutralization Tests**

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

**New York**

Radical prostatectomy specimens among Medicare patients in New York State: a review of pathologists' reports [Imperato] 966 (No)

**No-Fault Reporting see Liability**

**Nomenclature**

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

**Non-Hodgkin Lymphoma see Lymphoma**

**North America**

Diffuse panbronchiolitis: histologic diagnosis in unsuspected cases involving North American residents of Asian descent [Fisher] 156 (Fe); correction, 446 (My)

## O

**Observer Variation**

Mucinous tumors of the ovary (letter) [Cramer] (reply) [Raab] 581 (Jy)

Some hopes and concerns regarding medical event-reporting systems: lessons from the NASA Aviation Safety Reporting System [Billings] 214 (Mr)

**Oncocytoma see Adenoma**

**Oncogenes**

Apoptosis: basic concepts and potential significance in human cancer [Staunton] 310 (Ap)

**Oophorectomy see Ovariectomy**

**Organ Transplantation**

Epstein-Barr virus-associated renal smooth muscle neoplasm: report of a case with review of the literature [Creager] 277 (Mr)

## Oropharynx

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

**Ossification, Heterotopic**

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

**Osteocalcin**

Possible relation of osteopontin to development of psammoma bodies in human papillary thyroid cancer [Tunio] 1087 (De)

**Osteoclasts**

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

**Osteopontin**

Possible relation of osteopontin to development of psammoma bodies in human papillary thyroid cancer [Tunio] 1087 (De)

**Osteosarcoma**

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

Primary intracerebellar osteosarcoma arising within an epidermoid cyst [Cannon] 737 (Au)

**Outcome Assessment, Health Care**

Pathology information systems: data mining leads to knowledge discovery [McDonald] 409 (My)

**Ovarian Neoplasms**

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

Mucinous tumors of the ovary (letter) [Cramer] (reply) [Raab] 581 (Jy)

Unclassified sex cord-stromal tumors of the ovary: a report of eight cases [Simpson] 52 (Ja)

**Ovariectomy**

Uterine arteriovenous malformation necessitating hysterectomy with bilateral salpingo-oophorectomy in a young pregnant patient [Majumdar] 842 (Se)

## P

**Paget Disease, Extramammary**

Perianal Paget's disease: distinguishing primary and secondary lesions using immunohistochemical studies including gross cystic disease fluid protein-15 and cytokeratin 20 expression [Nowak] 1077 (De)

Pseudo-invasive, nodular extramammary Paget's disease of the vulva [Billings] 471 (My)

**Pancreatic Neoplasms**

Cell proliferative activity in intraductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study [Terada] 42 (Ja)

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

**Papanicolaou Smear see Vaginal Smear**

**Papio**

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

**Papovaviridae Infections**

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

**Paraffin Embedding**

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

Lack of asbestos contamination of paraffin [Dodson] 1103 (De)

**Paraganglioma**

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

**Paranasal Sinus Neoplasms**

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

**Paraproteins**

Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia [Bosman] 920 (Oc)

## Parasitology

Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bienersi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

## Parotid Neoplasms

Carcinosarcoma of the parotid gland: report of a case with cytohistologic and immunohistochemical findings [Latkovich] 743 (Au)

The utility of parotid gland and level I and II neck fine-needle aspiration [Raab] 823 (Se)

## Partial Thromboplastin Time

Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

## Pathogenicity

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

## Pathology, Surgical

Amended reports in surgical pathology and implications for diagnostic error detection and avoidance: a College of American Pathologists Q-Probes study of 1667/547 accessioned cases in 359 laboratories [Nakhleh] 303 (Ap)

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

Examining amended reports in surgical pathology [Hilborne] 301 (Ap)

## Peptide Fragments

Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)

## Perfusion

Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)

## Perianal Neoplasms

Perianal Paget's disease: distinguishing primary and secondary lesions using immunohistochemical studies including gross cystic disease fluid protein-15 and cytokeratin 20 expression [Nowak] 1077 (De)

## Perineurioma

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

## Periodic Acid-Schiff Reaction

Glycogen-rich malignant melanomas and glycogen-rich balloon cell malignant melanomas: frequency and pattern of PAS positivity in primary and metastatic melanomas [Nowak] 353 (Ap)

## Peripheral Nerve Neoplasms

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

## Personnel see Laboratory Personnel

## Peutz-Jeghers Syndrome

Unclassified sex cord-stromal tumors of the ovary: a report of eight cases [Simpson] 52 (Ja)

## Phagosomes

An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions [Dikov] 875 (Oc)

## Pharynx

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

## Pheochromocytoma

Nonsporadic cases and unusual morphological features in pheochromocytoma and paraganglioma [Lamovec] 63 (Ja)

## Plebotomy

Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497134 specimens from adult patients [Schifman] 216 (Mr)

## Phosphopyruvate Hydratase

Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

## Phyllodes Tumor

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

## Pipelicolic Acids

College of American Pathologists Conference XXXI on Lab-

oratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

## Placenta Diseases

Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)

## Platelet Aggregation

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb-IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)

The light-scattering whole blood aggregometer: a novel device for assessment of platelet aggregation in undiluted blood [Zheng] 880 (Oc)

## Platelet Aggregation Inhibitors

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb-IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)

## Platelet Glycoprotein GPIIb-IIIa Complex

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb-IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)

## Ploidies

DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification [Gschwendtner] 1000 (No)

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

## Pneumoconiosis

Obstructive central bronchitis due to mineral dust in patients with pneumoconiosis [Kampalath] 56 (Ja)

## Point Mutation

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

Mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke-like episodes (MELAS) syndrome [Prayson] 978 (No)

## Point-of-Care Systems

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)

## Poliovirus Vaccine

Infectious vaccines [Ross] 100 (Ja)

## Polyarteritis Nodosa

Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)

## Polymerase Chain Reaction

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioidendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bienersi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

## Polyomavirus hominis 1

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

## Polyps

Giant heterotopic gastric polyp in the jejunum [Nowak] 90 (Ja)

## Polyvinylpyrrolidone see Povidone

## Postmortem Changes

Detection of apoptosis using hematoxylin-eosin (letter) [Kashihara] (reply) [Drachenberg] 493 (Je)

Diagnostic utility of postmortem fine-needle aspiration cultures [Aranda] 650 (Jy)

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

## Postoperative Complications

Allogeneic blood transfusion, hospital charges, and length of hospitalization: a study of 487 consecutive patients undergoing colorectal cancer resection [Vamvakas] 145 (Fe)

Blood transfusion immunomodulation: the silent epid. mic [Blumberg] 117 (Fe)

## Potassium

Early morning blood collections: a College of American Pathologists Q-Probes study of 657 institutions [Dale] 865 (Oc)

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

## Povidone

Mucicarmophilic histiocytosis (benign signet-ring cells) and hyperplastic mesothelial cells: two mimics of metastatic carcinoma within a single lymph node [Groisman] 282 (Mr)

## PRACTICAL TOPICS IN NEUROPATHOLOGY

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

## Practice Guideline

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Practice guideline for forensic pathology [Randall] 1056 (De)

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

## Precursor Event see Sentinel Surveillance

Predictive Value of Tests see Sensitivity and Specificity

## Pregnancy

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

## Pregnancy Complications

DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification [Gschwendtner] 1000 (No)

Uterine arteriovenous malformation necessitating hysterectomy with bilateral salpingo-oophorectomy in a young pregnant patient [Majmudar] 842 (Se)

## Prevalence

Immunohistochemical evaluation of merosin deficiency in congenital muscular dystrophies [Brett] 69 (Ja)

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

## Prevention and Control

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb-IIIa in platelet aggregation: an

emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)

**College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)**

**College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)**

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation [Zauch] 982 (No)

**Procedures see Laboratory Techniques and Procedures**

**Professional Competence**

Proficiency testing in laboratory medicine: uses and limitations [Shahangian] 15 (Ja)

**Prognosis**

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

Clinicopathologic features of neuroendocrine carcinomas of the stomach: appraisal of small cell and large cell variants [Matsui] 1010 (No)

The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon [Foley] 912 (Oc)

Infiltrating papillary thyroid carcinoma: review of 134 cases of papillary carcinoma [Mai] 166 (Fe)

90K (Mac-2 BP) predicts CD4 decline in human immunodeficiency virus-infected patients with CD4 counts above  $200 \times 10^6$  cells/L [Tinari] 178 (Fe)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

Specimen banks for cancer prognostic factor research [Burke] 871 (Oc)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

Unclassified sex cord-stromal tumors of the ovary: a report of eight cases [Simpson] 52 (Ja)

**Program Development**

Providing human tissues for research: how to establish a program [Grizzle] 1065 (De)

**Prolactin**

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

**Proliferating Cell Nuclear Antigen**

Cell proliferative activity in intraductal papillary-mucinous neoplasms and invasive ductal adenocarcinomas of the pancreas: an immunohistochemical study [Terada] 42 (Ja)

**Prophylaxis see Prevention and Control**

**Prostaglandin E, see Alprostadil**

**Prostate**

An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions [Dikov] 875 (Oc)

**Prostate-Specific Antigen**

Use of age-specific normal ranges for serum prostate-specific antigen [Slovacek] 330 (Ap)

**Prostatectomy**

Radical prostatectomy specimens among Medicare patients in New York State: a review of pathologists' reports [Imperato] 966 (No)

**Prostatic Neoplasms**

Distribution and significance of microcalcifications in the neoplastic and nonneoplastic prostate [Woods] 152 (Fe)

Needle biopsies of the prostate: what constitutes adequate histologic sampling? [Lane] 833 (Se)

Use of age-specific normal ranges for serum prostate-specific antigen [Slovacek] 330 (Ap)

**Protease Inhibitors**

Indinavir crystalluria: identification of patients at increased risk of developing nephrotoxicity [Trainor] 256 (Mr)

**Protein C**

Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

Testing for resistance to activated protein C factor V R506Q (letter) [Mack] (reply) [Longtine] 1046 (De)

**Protein Precursors**

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

**Prothrombin**

Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)

**Proto-Oncogene Proteins c-bcl-2**

Immunohistochemical analysis of proteins of the bcl-2 fam-

ily in pulmonary lymphangiomatosis: association of bcl-2 expression with hormone receptor status [Usuki] 895 (Oc)

**Protozoan Antibodies see Antibodies, Protozoan**

**Psammoma Bodies**

Epithelioid psammomatous melanotic schwannoma with osseous metaplasia [Grayson] 285 (Mr)

Possible relation of osteopontin to development of psammoma bodies in human papillary thyroid cancer [Tunio] 1087 (De)

**Pseudallescheria**

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

**Public Health**

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

**Publishing**

The *Archives of Pathology & Laboratory Medicine*: a new beginning [McClatchey] 399 (My)

Kenneth D. McClatchey, DDS, MD: the seventh editor of the *Archives of Pathology & Laboratory Medicine* [McLendon] 397 (My)

Reviewers for ARCHIVES Manuscripts, 1996 and 1997, 381 (Ap)

**Pulmonary Artery**

Neuron-specific enolase-producing epithelioid leiomyosarcoma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

Pulmonary hypertension associated with systemic lupus erythematosus: predominantly thrombotic arteriopathy accompanied by plexiform lesions [Yokoi] 467 (My)

**Pulmonary Diseases see Lung Diseases**

**Q**

**Q-Probes see COLLEGE OF AMERICAN PATHOLOGISTS LABORATORY IMPROVEMENT PROGRAMS**

**Quality Assurance, Health Care**

Amended reports in surgical pathology and implications for diagnostic error detection and avoidance: a College of American Pathologists Q-Probes study of 1667/547 accessioned cases in 359 laboratories [Nakhleh] 303 (Ap)

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

The attributes of medical event-reporting systems: experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)

Examining amended reports in surgical pathology [Hilborne] 301 (Ap)

Validation of the laboratory information system [Cowan] 239 (Mr)

**Quality Control**

The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)

Amended reports in surgical pathology and implications for diagnostic error detection and avoidance: a College of American Pathologists Q-Probes study of 1667/547 accessioned cases in 359 laboratories [Nakhleh] 303 (Ap)

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

Examining amended reports in surgical pathology [Hilborne] 301 (Ap)

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)

Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies [Astles] 700 (Au)

Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)

Lack of asbestos contamination of paraffin [Dodson] 1103 (De)

Meta-analyses of studies of the diagnostic accuracy of laboratory tests: a review of the concepts and methods [Vamvakas] 675 (Au)

Practice guideline for forensic pathology [Randall] 1056 (De)

Proficiency testing in laboratory medicine: uses and limitations [Shahangian] 15 (Ja)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

Providing human tissues for research: how to establish a program [Grizzle] 1065 (De)

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-

Probes study in 505 hospital laboratories [Steindel] 401 (My)

**Quality of care (letter) [Plous] 583 (Jy)**

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

Urine culture contamination [Washington] 120 (Fe)

Urine culture contamination: a College of American Pathologists Q-Probes study of contaminated urine cultures in 906 institutions [Valenstein] 123 (Fe)

**Quality of Health Care**

Quality of care (letter) [Plous] 583 (Jy)

**R**

**Rabbits**

The pathology of experimental anthrax in rabbits exposed by inhalation and subcutaneous inoculation [Zauch] 982 (No)

**Radical Neck Dissection**

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

**Radiography**

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

**Reagent Kits, Diagnostic**

Activated protein C resistance assay performance: improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)

Analyte-specific reagents in the flow cytometry laboratory [Caldwell] 861 (Oc)

Comparison of 2 homogeneous high-density lipoprotein cholesterol assays [Hoang] 1005 (No)

Double heterozygosity for mutations in the *BRCA1* and *BRCA2* genes in a breast cancer patient [Tsongalis] 548 (Je)

Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies [Astles] 700 (Au)

**Receptors, Estrogen**

Comparative study of computer-assisted image analysis and light-microscopically determined estrogen receptor status of breast carcinomas [Bejar] 346 (Ap)

Immunohistochemical analysis of proteins of the bcl-2 family in pulmonary lymphangiomatosis: association of bcl-2 expression with hormone receptor status [Usuki] 895 (Oc)

**Receptors, Fibroblast Growth Factor**

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

**Receptors, Mitogen**

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

**Receptors, Progesterone**

Immunohistochemical analysis of proteins of the bcl-2 family in pulmonary lymphangiomatosis: association of bcl-2 expression with hormone receptor status [Usuki] 895 (Oc)

**Rectum**

Increased submucosal nerve trunk caliber in angiodysplasia: a "positive" and objective finding in suction biopsies and segmental resections in Hirschsprung's disease [Monforte-Muñoz] 721 (Au)

**Recurrence**

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

Recurrence of unicystic ameloblastoma: a case report and review of the literature [Li] 371 (Ap)

**Reference Standards**

The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

Comparison of 2 homogeneous high-density lipoprotein cholesterol assays [Hoang] 1005 (No)

Evaluation of a proposed panel of cardiac markers for the



- diagnosis of acute myocardial infarction in patients with traumatic chest pain [Chang] 320 (Ap)
- Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation:** a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)
- Quality control practices for calcium, cholesterol, digoxin, and hemoglobin:** a College of American Pathologists Q-Probes study in 505 hospital laboratories [Steindel] 401 (My)
- Standardization of prothrombin fragment 1.2 measurement:** effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)
- Use of age-specific normal ranges for serum prostate-specific antigen [Slovak] 330 (Ap)**
- Registries**
- Specimen banks for cancer prognostic factor research [Burke] 871 (Oc)**
- Regulations see Legislation and Jurisprudence**
- Reliability and Validity see Reproducibility of Results**
- Renal Failure, End-Stage see Kidney Failure, Chronic**
- Reproducibility of Results**
- Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)**
- Comparison of 2 homogeneous high-density lipoprotein cholesterol assays [Hoang] 1005 (No)**
- Detection of antinuclear antibodies:** comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Homburger] 993 (No)
- Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)**
- Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation:** a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)
- The light-scattering whole blood aggregometer:** a novel device for assessment of platelet aggregation in undiluted blood [Zheng] 880 (Oc)
- Proficiency testing in laboratory medicine:** uses and limitations [Shahangian] 15 (Ja)
- A system to monitor a portion of the total testing process in medical clinics and laboratories:** feasibility of a split-specimen design [Shahangian] 503 (Je)
- Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens [Davis] 972 (No)**
- Validation of the laboratory information system [Cowan] 239 (Mr)**
- Research**
- Pathology information systems:** data mining leads to knowledge discovery [McDonald] 409 (My)
- Providing human tissues for research:** how to establish a program [Grizzle] 1065 (De)
- Research and training on the newly dead (letter) [Zirklin] (reply) [Rosner] 213 (Mr)**
- Specimen banks for cancer prognostic factor research [Burke] 871 (Oc)**
- Resistance, Activated Protein C**
- Activated protein C resistance assay performance:** improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)
- Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)**
- Testing for resistance to activated protein C factor V R506Q (letter) [Mack] (reply) [Longtine] 1046 (De)**
- Reticulin**
- Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)**
- Rhabdoid Tumor**
- Congenital malignant rhabdoid tumor presenting as a cutaneous nodule:** report of 2 cases with review of the literature [Hsueh] 1099 (De)
- Rhabdomyosarcoma**
- Primary myxoid liposarcoma with rhabdomyoblastic differentiation [Goverder] 740 (Au)**
- Primary rhabdomyosarcoma of the female breast:** report of a case and review of the literature [Kyriazis] 747 (Au)
- Rhabdomyosarcoma mimicking acute leukemia (letter) [Farham] (reply) [Kahn] 1047 (De)**
- Rhabdomyosarcoma mimicking acute leukemia in an adult:** report of a case with histologic, flow cytometric, cytogenetic, immunohistochemical, and ultrastructural studies [Kahn] 375 (Ap)
- Rheumatic Diseases**
- Detection of antinuclear antibodies:** comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Homburger] 993 (No)
- Rhizopus**
- Chlamydoconidia formation in zygomycosis due to *Rhizopus* species [Kimura] 1120 (De)**
- Risk Assessment**
- A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)**
- Risk Factors**
- Benign breast changes and the risk for subsequent breast cancer:** an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)
- Benign breast diseases and premalignant breast disease [Page] 1048 (De)**
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy:** future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)
- Recurrence of unicystic ameloblastoma:** a case report and review of the literature [Li] 371 (Ap)
- Risk Management**
- The attributes of medical event-reporting systems:** experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)
- Some hopes and concerns regarding medical event-reporting systems:** lessons from the NASA Aviation Safety Reporting System [Billings] 214 (Mr)
- RNA**
- Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Mosnier] 416 (My)**
- Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bieneusi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)**
- RNA, Viral**
- Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients:** disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)
- ROC Curve**
- Meta-analyses of studies of the diagnostic accuracy of laboratory tests:** a review of the concepts and methods [Vamvakas] 675 (Au)
- Rosai-Dorfman Disease**
- Isolated intracranial involvement in Rosai-Dorfman disease:** a report of two cases and review of the literature [Deodhare] 161 (Fe)
- Rosaniline Dyes**
- A new triple stain for *Helicobacter pylori* suitable for the autostainer:** carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)
- Rosenthal Fibers see Inclusion Bodies**
- S
- S100 Protein see Nerve Tissue Protein S100**
- Safety Management**
- The attributes of medical event-reporting systems:** experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)
- Providing human tissues for research:** how to establish a program [Grizzle] 1065 (De)
- Some hopes and concerns regarding medical event-reporting systems:** lessons from the NASA Aviation Safety Reporting System [Billings] 214 (Mr)
- Validation of the laboratory information system [Cowan] 239 (Mr)**
- Salivary Gland Neoplasms**
- Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract:** carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)
- Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms [Gilcrease] 644 (Jy)**
- Sarcoma**
- MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)**
- Mediastinal granulocytic sarcoma:** a report of two cases [McCluggage] 545 (Je)
- Sarcoma, Kaposi**
- Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangiioendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)**
- Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)**
- Schwannoma see Neuilemmoma**
- Sciatic Nerve**
- Perineurioma with ossification:** a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)
- Self Care**
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy:** laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)
- Sensitivity and Specificity**
- The accuracy of laboratory measurements in clinical chemistry:** a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)
- Activated protein C resistance assay performance:** improvement by sample dilution with factor V-deficient plasma [Strobl] 430 (My)
- Analyte-specific reagents in the flow cytometry laboratory [Caldwell] 861 (Oc)**
- College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy:** laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)
- Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)**
- Detection of antinuclear antibodies:** comparative evaluation of enzyme immunoassay and indirect immunofluorescence methods [Homburger] 993 (No)
- Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with traumatic chest pain [Chang] 320 (Ap)**
- Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies [Astles] 700 (Au)**
- Meta-analyses of studies of the diagnostic accuracy of laboratory tests:** a review of the concepts and methods [Vamvakas] 675 (Au)
- A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)**
- A new triple stain for *Helicobacter pylori* suitable for the autostainer:** carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)
- Qualifying the cytologic diagnosis of "atypical squamous cells of undetermined significance" affects the predictive value of a squamous intraepithelial lesion on subsequent biopsy [Genest] 338 (Ap)**
- Specimen banks for cancer prognostic factor research [Burke] 871 (Oc)**
- A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)**
- ThinPrep Papanicolaou testing to reduce false-negative cervical cytology [Linder] 139 (Fe)**
- Tyramine-amplified immunohistochemical testing using "homemade" biotinylated tyramine is highly sensitive and cost-effective [Jacobs] 642 (Jy)**
- The utility of parotid gland and level I and II neck fine-needle aspiration [Raab] 823 (Se)**
- Sentinel Health Event see Sentinel Surveillance**
- Sentinel Surveillance**
- The attributes of medical event-reporting systems:** experience with a prototype medical event-reporting system for transfusion medicine [Battles] 231 (Mr)
- Sepsis**
- A rare common hepatic duct diverticulum causing fatal biliary obstruction and sepsis [Flowers] 197 (Fe)**
- Sequence Analysis, DNA**
- Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangiioendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)**
- Tumors of the pancreas with osteoclast-like and pleomorphic giant cells:** an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)
- Sertoli Cell Tumor**
- Testicular Sertoli cell tumor with a heterologous sarcomatous component:** immunohistochemical assessment of Sertoli cell differentiation [Gilcrease] 907 (Oc)
- Sertoli-Leydig Cell Tumor**
- Unclassified sex cord-stromal tumors of the ovary:** a report of eight cases [Simpson] 52 (Ja)
- Sex Factors**
- Medical examiner asthma death autopsies:** a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)
- Urine culture contamination [Washington] 120 (Fe)**
- Urine culture contamination:** a College of American Pathologists Q-Probes study of contaminated urine cultures in 906 institutions [Valenstein] 123 (Fe)
- Side Effects see Adverse Effects**
- Signet-Ring Cells, Benign**



Mucicarmophilic histiocytosis (benign signet-ring cells) and hyperplastic mesothelial cells: two mimics of metastatic carcinoma within a single lymph node [Groisman] 282 (Mr)

#### Silicon Dioxide

Obliterative central bronchitis due to mineral dust in patients with pneumoconiosis [Kampalath] 56 (Ja)

#### Silver Staining

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

#### Simian Acquired Immunodeficiency Syndrome

Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bieneusi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

#### Skin Neoplasms

Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)

Cardiac angiosarcoma: an unusual presentation with cutaneous metastases [Pomper] 273 (Mr)

Congenital malignant rhabdoid tumor presenting as a cutaneous nodule: report of 2 cases with review of the literature [Hsueh] 1099 (De)

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

Perianal Paget's disease: distinguishing primary and secondary lesions using immunohistochemical studies including gross cystic disease fluid protein-15 and cytokeratin 20 expression [Nowak] 1077 (De)

#### Smooth Muscle Tumor

Epstein-Barr virus-associated renal smooth muscle neoplasm: report of a case with review of the literature [Creager] 277 (Mr)

#### Soft Tissue Neoplasms

Collagenous fibroma (desmoplastic fibroblastoma): report of four cases and review of the literature [Hasegawa] 455 (My)

Epithelioid psammomatous melanotic schwannoma with osseous metaplasia [Grayson] 285 (Mr)

#### Software Validation

Validation of the laboratory information system [Cowan] 239 (Mr)

#### SPECIAL NEWS ITEM

Reviewers for ARCHIVES Manuscripts, 1996 and 1997, 381 (Ap)

#### Species Specificity

Identification of the microsporidian *Encephalitozoon hellem* using immunoglobulin G monoclonal antibodies [Crompton] 182 (Fe)

#### Specimen Handling

Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497 134 specimens from adult patients [Schifman] 216 (Mr)

Early morning blood collections: a College of American Pathologists Q-Probes study of 657 institutions [Dale] 865 (Oc)

Practice guideline for forensic pathology [Randall] 1056 (De)

Providing human tissues for research: how to establish a program [Grizzle] 1065 (De)

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

Urine culture contamination [Washington] 120 (Fe)

Urine culture contamination: a College of American Pathologists Q-Probes study of contaminated urine cultures in 906 institutions [Valenstein] 123 (Fe)

Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens [Davis] 972 (No)

The year 2000 problem for pathology (letter) [Rhodes] 583 (Jy)

#### Spectrum Analysis

Obliterative central bronchitis due to mineral dust in patients with pneumoconiosis [Kampalath] 56 (Ja)

#### Spherocytosis, Hereditary

Bone marrow biopsy findings in childhood anemia: prevalence of transient erythroblastopenia of childhood [Farhi] 638 (Jy)

#### Spinal Cord

The neuropathology of orthotopic liver transplantation: an autopsy series of 16 patients [McCarron] 726 (Au)

#### Splenic Neoplasms

Incidental early detection of a splenic marginal zone lymphoma by polymerase chain reaction analysis of paraffin-embedded tissue [Dunphy] 84 (Ja)

#### Spores

Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bieneusi* (Microsporidia) in naturally in-

fected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

#### Staining

Clinical utility of cardiac valve Gram stain and culture in patients undergoing native valve replacement [Chuard] 412 (My)

Detection of apoptosis using hematoxylin-eosin (letter) [Kashihara] (reply) [Drachenberg] 493 (Je)

A new triple stain for *Helicobacter pylori* suitable for the autostainer: carbol fuchsin/Alcian blue/hematoxylin-eosin [El-Zimaity] 732 (Au)

Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms [Gilcrease] 644 (Jy)

Use of perfusion fixation for improved neuropathologic examination (letter) [Miller] 949 (No)

#### Standard Preparations see Reference Standards

#### Standards

The accuracy of laboratory measurements in clinical chemistry: a study of 11 routine chemistry analytes in the College of American Pathologists Chemistry Survey with fresh frozen serum, definitive methods, and reference methods [Ross] 587 (Jy)

Application of synoptic reports (letter) [Nochomovitz] (reply) [Compton] 493 (Je)

Assessment of the impact of a CD4<sup>+</sup> T-cell testing laboratory improvement program [Rosner] 512 (Je)

Benign breast changes and the risk for subsequent breast cancer: an update of the 1985 consensus statement [Fitzgibbons] 1053 (De)

Benign breast diseases and premalignant breast disease [Page] 1048 (De)

Clinicopathologic features of neuroendocrine carcinomas of the stomach: appraisal of small cell and large cell variants [Matsui] 1010 (No)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification [Gschwendtner] 1000 (No)

Impact of quality control on accuracy in enzyme immunoassay testing for human immunodeficiency virus type 1 antibodies [Astles] 700 (Au)

Interinstitutional comparison of bedside blood glucose monitoring program characteristics, accuracy performance, and quality control documentation: a College of American Pathologists Q-Probes study of bedside blood glucose monitoring performed in 226 small hospitals [Novis] 495 (Je)

Meta-analyses of studies of the diagnostic accuracy of laboratory tests: a review of the concepts and methods [Vamvakas] 675 (Au)

Proficiency testing in laboratory medicine (letter) [Shahangian] 674 (Au)

Proficiency testing in laboratory medicine: uses and limitations [Shahangian] 15 (Ja)

Quality control practices for calcium, cholesterol, digoxin, and hemoglobin: a College of American Pathologists Q-Probes study in 505 hospital laboratories [Steindel] 401 (My)

Radical prostatectomy specimens among Medicare patients in New York State: a review of pathologists' reports [Imperato] 966 (No)

A system to monitor a portion of the total testing process in medical clinics and laboratories: feasibility of a split-specimen design [Shahangian] 503 (Je)

ThinPrep Papanicolaou testing to reduce false-negative cervical cytology [Linder] 139 (Fe)

Urine culture contamination [Washington] 120 (Fe)

Urine culture contamination: a College of American Pathologists Q-Probes study of contaminated urine cultures in 906 institutions [Valenstein] 123 (Fe)

#### Staphylococcus

Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497 134 specimens from adult patients [Schifman] 216 (Mr)

#### Stomach Neoplasms

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

Clinicopathologic features of neuroendocrine carcinomas of the stomach: appraisal of small cell and large cell variants [Matsui] 1010 (No)

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

#### STRATEGIES FOR LABORATORY AND PATIENT MANAGEMENT

Practice guideline for forensic pathology [Randall] 1056 (De)

Practice parameter for the use of red blood cell transfusions: developed by the Red Blood Cell Administration Practice Guideline Development Task Force of the College of American Pathologists [Simon] 130 (Fe)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

Protocol for the examination of specimens removed from patients with gastric carcinoma: a basis for checklists [Compton] 9 (Ja)

#### Stroke see Central Nervous System Diseases

#### Stromal Cells

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasuj] 836 (Se)

#### Subarachnoid Hemorrhage

Arteritis and fatal subarachnoid hemorrhage complicating occult *Candida* meningitis: unusual presentation in pediatric acquired immunodeficiency syndrome [Rabah] 1030 (No)

#### Substance-Related Disorders

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

#### Survival Analysis

The frequency and clinical significance of neuroendocrine cells within stage III adenocarcinomas of the colon [Foley] 912 (Oc)

#### Survival Rate

Cathepsin B expression and its correlation with tumor-associated laminin and tumor progression in gastric cancer [Khan] 172 (Fe)

#### Synaptophysin

Association of primary intracranial meningioma and cutaneous meningioma of external auditory canal: a case report and review of the literature [Hu] 97 (Ja)

#### Synoptic Reporting

Application of synoptic reports (letter) [Nochomovitz] (reply) [Compton] 493 (Je)

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

#### T

#### T-Lymphocytes

Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Mosnier] 416 (My)

#### TEACHING PATHOLOGY AND LABORATORY MEDICINE

Forensic autopsy in a pathology training program [Djabourian] 750 (Au)

Web-based pathology education [Klatt] 475 (My)

#### Teratoma

Primary intracerebellar osteosarcoma arising within an epidermoid cyst [Cannon] 737 (Au)

Teratoid Wilms tumor arising as a botryoid growth within a supernumerary ectopic ureteropelvic structure [Pawel] 925 (Oc)

Terminal Deoxynucleotidyl Transferase-Mediated Deoxyuridine Triphosphate-Biotin Nick-End Labeling see TUNEL

#### Terminology see Nomenclature

#### Testicular Neoplasms

Testicular Sertoli cell tumor with a heterologous sarcomatous component: immunohistochemical assessment of Sertoli cell differentiation [Gilcrease] 907 (Oc)

#### Testing Standards

Proficiency testing in laboratory medicine (letter) [Shahangian] 674 (Au)

Proficiency testing in laboratory medicine: uses and limitations [Shahangian] 15 (Ja)

Standardization of prothrombin fragment 1.2 measurement: effects of preanalytical variables and calibrator selection [Hursting] 31 (Ja)

#### Thorax

Congenital malignant rhabdoid tumor presenting as a cutaneous nodule: report of 2 cases with review of the literature [Hsueh] 1099 (De)

#### Thrombin

Risk and clinical significance of developing antibodies induced by topical thrombin preparations [Dorion] 887 (Oc)

## Thrombocytopenia

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

## Thromboembolism

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: the clinical use and laboratory monitoring of low-molecular-weight heparin, danaparoid, hirudin and related compounds, and argatroban [Laposata] 799 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: introduction [Brandt] 765 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of unfractionated heparin therapy [Olson] 782 (Se)

## Thromboplastin

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: laboratory monitoring of oral anticoagulant therapy [Fairweather] 768 (Se)

Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens [Davis] 972 (No)

## Thrombosis

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—a clinician's view of thrombotic disorders of the cardiovascular system [Becker] 815 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—glycoprotein IIb/IIIa in platelet aggregation: an emerging target for the prevention of acute coronary thrombotic occlusions [Phillips] 811 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—the new anticoagulants: new opportunities, new issues [Vlasuk] 812 (Se)

College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy: future directions—thrombosis: diagnosis and prophylaxis 1997 [Mann] 809 (Se)

Comparison of functional testing for resistance to activated protein C and molecular biological testing for factor V R506Q in 370 patients [Montes] 325 (Ap)

Epithelial hemangioidendothelioma of the liver mimicking Budd-Chiari syndrome [Walsh] 846 (Se)

Pulmonary hypertension associated with systemic lupus erythematosus: predominantly thrombotic arteriopathy accompanied by plexiform lesions [Yokoi] 467 (My)

Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)

## Thymus Gland

Enlargement of the thymus in a child with chronic granulomatous disease receiving interferon gamma therapy [Kouritis] 562 (Je)

## Thyroglobulin

A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)

## Thyroid Neoplasms

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

Infiltrating papillary thyroid carcinoma: review of 134 cases of papillary carcinoma [Mai] 166 (Fe)

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

Metastatic tumors of the thyroid gland: a study of 79 cases in Chinese patients [Lam] 37 (Ja)

A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)

Possible relation of osteopontin to development of psammoma bodies in human papillary thyroid cancer [Tunio] 1087 (De)

## Time Factors

Blood culture contamination: a College of American Pathologists Q-Probes study involving 640 institutions and 497 134 specimens from adult patients [Schifman] 216 (Mr)

Diagnostic utility of postmortem fine-needle aspiration cultures [Aranda] 650 (Jy)

Early morning blood collections: a College of American Pathologists Q-Probes study of 657 institutions [Dale] 865 (Oc)

Effects of prefixation and fixation times on apoptosis de-

tection by in situ end-labeling of fragmented DNA [Tateyama] 252 (Mr)

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)

Interinstitutional comparison of surgical biopsy diagnosis turnaround time: a College of American Pathologists Q-Probes study of 5384 surgical biopsies in 157 small hospitals [Novis] 951 (No)

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens [Davis] 972 (No)

The year 2000 problem for pathology (letter) [Rhodes] 583 (Jy)

## Tissue Banks

Providing human tissues for research: how to establish a program [Grizzle] 1065 (De)

## Tissue Donors

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

## Tissue Fixation

Effects of prefixation and fixation times on apoptosis detection by in situ end-labeling of fragmented DNA [Tateyama] 252 (Mr)

NADPH diaphorase-containing nerve fibers and neurons in the myenteric plexus are resistant to postmortem changes: studies in Hirschsprung's disease and normal autopsy material [Wester] 461 (My)

Use of perfusion fixation for improved neuropathologic examination (letter) [Miller] 949 (No)

## Tissue Preservation

Specimen banks for cancer prognostic factor research [Burke] 871 (Oc)

## Tomography, X-Ray Computed

Diagnostic synergy in radiology and surgical neuropathology: neuroimaging techniques and general interpretive guidelines [Burger] 609 (Jy)

Diagnostic synergy in radiology and surgical neuropathology: radiographic findings of specific pathologic entities [Burger] 620 (Jy)

## Tongue Diseases

Solitary crystal-storing histiocytosis of the tongue in a patient with rheumatoid arthritis and polyclonal hypergammaglobulinemia [Bosman] 920 (Oc)

## Tongue Neoplasms

Protocol for the examination of specimens removed from patients with carcinomas of the upper aerodigestive tract: carcinomas of the oral cavity including lip and tongue, nasal and paranasal sinuses, pharynx, larynx, salivary glands, hypopharynx, oropharynx, and nasopharynx [Min] 222 (Mr)

## Training see Education

## Transforming Growth Factor alpha

High expression of growth factors and growth factor receptors in ovarian metastases from ileal carcinoids: an immunohistochemical study of 2 cases [Facco] 828 (Se)

## Transforming Growth Factor beta

Possible relation of osteopontin to development of psammoma bodies in human papillary thyroid cancer [Tunio] 1087 (De)

## Transplantation

Epstein-Barr virus-associated renal smooth muscle neoplasm: report of a case with review of the literature [Creager] 277 (Mr)

## Treatment Outcome

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

## Treatment Protocols see Clinical Protocols

## Triage

The utility of parotid gland and level I and II neck fine-needle aspiration [Raab] 823 (Se)

## Trichosporon

Fontana-Masson-stained tissue from culture-proven mycoses [Kimura] 1107 (De)

## Trisomy

Trisomy 14 in myelodysplastic syndromes: report of two cases and review of the literature [Vasef] 77 (Ja)

## Trophoblastic Neoplasms

DNA ploidy determination of early molar pregnancies by image analysis: comparison to histologic classification [Gschwendtner] 1000 (No)

## Tropoin

Evaluation of a proposed panel of cardiac markers for the diagnosis of acute myocardial infarction in patients with traumatic chest pain [Chang] 320 (Ap)

A strategy for the use of cardiac injury markers in the diagnosis of acute myocardial infarction (letter) [Wilson] (reply) [Kost] 950 (No)

A strategy for the use of cardiac injury markers (troponin I and T, creatine kinase-MB mass and isoforms, and myoglobin) in the diagnosis of acute myocardial infarction [Kost] 245 (Mr)

## Tumor Cells, Cultured

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

## Tumor Markers, Biological

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

Blood group antigens in differentiated thyroid neoplasms [González-Cámpora] 957 (No)

Carcinoma of the parotid gland: report of a case with cytologic and immunohistochemical findings [Latkovich] 743 (Au)

Collagenous fibroma (desmoplastic fibroblastoma): report of four cases and review of the literature [Hasegawa] 455 (My)

Expression spectrum of melanoma antigen-encoding gene family members in colorectal carcinoma [Hasegawa] 551 (Je)

Mediastinal granulocytic sarcoma: a report of two cases [McCluggage] 545 (Je)

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

Primary T-cell lymphoma of the brain in a patient at advanced stage of acquired immunodeficiency syndrome [Aydin] 361 (Ap)

Tumors of the pancreas with osteoclast-like and pleomorphic giant cells: an immunohistochemical and ploidy study [Deckard-Janatpour] 266 (Mr)

## Tumor Staging see Neoplasm Staging

## Tumor Virus Infections

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

## Tumors, Malignant Mixed see Carcinosarcoma

## TUNEL

Effects of prefixation and fixation times on apoptosis detection by in situ end-labeling of fragmented DNA [Tateyama] 252 (Mr)

## Turbidity see Nephelometry and Turbidimetry

## Tyramine

Tyramine-amplified immunohistochemical testing using "homemade" biotinylated tyramine is highly sensitive and cost-effective [Jacobs] 642 (Jy)

## Tyrosine

Tyrosine-rich crystals associated with oncocytic salivary gland neoplasms [Gilcrease] 644 (Jy)

U

## Ulcer

Systemic calciphylaxis associated with massive gastrointestinal hemorrhage [Brown] 656 (Jy)

## Ultracentrifugation

Comparison of 2 homogeneous high-density lipoprotein cholesterol assays [Hoang] 1005 (No)

## Ultrastructure

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

Medullary thyroid carcinoma with a paraganglioma-like pattern and melanin production: a case report with ultrastructural and immunohistochemical studies [Ikeda] 555 (Je)

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

Perineurioma with ossification: a case report with immunohistochemical and ultrastructural studies [Rank] 366 (Ap)

Primary renal angiosarcoma: a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature [Cerilli] 929 (Oc)

Ultrastructure of atypical (teratoid) sporogonial stages of *Enterocytozoon bienersi* (Microsporidia) in naturally infected rhesus monkeys (*Macaca mulatta*) [Schwartz] 423 (My)

## United States Food and Drug Administration

Analyte-specific reagents and the clinical laboratory [Tubbs] 585 (Jy)

Validation of the laboratory information system [Cowan] 239 (Mr)

#### United States Health Care Financing Administration

Extension of useful reagent shelf life beyond manufacturers' recommendations [Tubbs] 1051 (De)

#### United States National Aeronautics and Space Administration

Some hopes and concerns regarding medical event-reporting systems: lessons from the NASA Aviation Safety Reporting System [Billings] 214 (Mr)

#### Urban Population

Medical examiner asthma death autopsies: a distinct subgroup of asthma deaths with implications for public health preventive strategies [Weitzman] 691 (Au)

#### Urinalysis

Urine culture contamination [Washington] 120 (Fe)

Urine culture contamination: a College of American Pathologists Q-Probes study of contaminated urine cultures in 906 institutions [Valenstein] 123 (Fe)

#### Urinary Calculi

Indinavir crystalluria: identification of patients at increased risk of developing nephrotoxicity [Trainor] 256 (Mr)

#### Urine

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

#### Urologic Diseases

Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)

#### Uterine Neoplasms

Effects of gonadotropin-releasing hormone agonists on uterine leiomyomas (letter) [Cramer] (reply) [Kalir] 1045 (De)

Morphometric and electron-microscopic analyses of the effects of gonadotropin-releasing hormone agonists on uterine leiomyomas [Kalir] 442 (My)

#### Uterus

Uterine arteriovenous malformation necessitating hysterectomy with bilateral salpingo-oophorectomy in a young pregnant patient [Majmudar] 842 (Se)

## V

#### Vaccines

Infectious vaccines [Ross] 100 (Ja)

#### Vaginal Smear

Qualifying the cytologic diagnosis of "atypical squamous cells of undetermined significance" affects the predictive value of a squamous intraepithelial lesion on subsequent biopsy [Genest] 338 (Ap)

ThinPrep Papanicolaou testing to reduce false-negative cervical cytology [Linder] 139 (Fe)

#### Validity of Results see Reproducibility of Results

#### Vascular Cell Adhesion Molecule-1

MaMi, a human endometrial stromal sarcoma cell line that constitutively produces interleukin-6, interleukin-8, and monocyte chemoattractant protein-1 [Nasu] 836 (Se)

#### Vascular Diseases

Neuron-specific enolase-producing epithelioid leiomyosar-

coma with gross vascular invasion and intracardiac involvement [Dobashi] 1116 (De)

Placental lesions associated with neurologic impairment and cerebral palsy in very low-birth-weight infants [Redline] 1091 (De)

#### Vascular Neoplasms

Diagnostic implication of Kaposi's sarcoma-associated herpesvirus with special reference to the distinction between spindle cell hemangioendothelioma and Kaposi's sarcoma [Hisaoka] 72 (Ja)

#### Vasculitis

Two cases of vasculitis of the urinary bladder: diagnostic and pathogenetic considerations [Fischer] 903 (Oc)

#### Vimentin

Unclassified sex cord-stromal tumors of the ovary: a report of eight cases [Simpson] 52 (Ja)

#### Viral Matrix Proteins

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

#### Viremia

Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Mosnier] 416 (My)

#### Virology

Cytologic and genetic study of polyomavirus-infected or polyomavirus-activated cells in human urine [Itoh] 333 (Ap)

Isolation of Inoue-Melnick virus from cerebrospinal fluid of patients with epidemic neuropathy in Cuba [Ito] 520 (Je)

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

Relationship between the effector T-cell response and viremia in symptomatic chronic hepatitis C [Mosnier] 416 (My)

#### Virus Replication

Human immunodeficiency virus-2 infection in baboons is an animal model for human immunodeficiency virus pathogenesis in humans [Locher] 523 (Je)

#### Volatilization

Use of perfusion fixation for improved neuropathologic examination (letter) [Miller] 949 (No)

#### von Willebrand Factor

Primary renal angiosarcoma: a case report with immunohistochemical, ultrastructural, and cytogenetic features and review of the literature [Cerilli] 929 (Oc)

#### Vulvar Neoplasms

Pseudo-invasive, nodular extramammary Paget's disease of the vulva [Billings] 471 (My)

## W

#### Warfarin

Activated protein C resistance assay performance: improve-

ment by sample dilution with factor V-deficient plasma [Strobl] 430 (My)

Use of different thromboplastin reagents causes greater variability in international normalized ratio results than prolonged room temperature storage of specimens [Davis] 972 (No)

#### Warthin Tumor see Adenolymphoma

#### Weight Loss

An autopsy study of the prostate in acquired immunodeficiency syndrome: evidence for excessive apoptosis and intracytoplasmic epithelial inclusions [Dikov] 875 (Oc)

#### Western Blot Analysis see Blotting, Western

#### Wheat Germ Agglutinins

A method to differentiate between thyroglobulin derived from normal thyroid tissue and from thyroid carcinoma based on analysis of reactivity to lectins [Maruyama] 715 (Au)

#### Wilms Tumor see Nephroblastoma

#### Workload

Interinstitutional comparison of surgical biopsy diagnosis turnaround time: a College of American Pathologists Q-Probes study of 5384 surgical biopsies in 157 small hospitals [Novis] 951 (No)

#### Wright, Jean

The Archives of Pathology & Laboratory Medicine: a new beginning [McClatchey] 399 (My)

## X

#### X Chromosome

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

#### Xanthoastrocytoma

Anaplastic pleomorphic xanthoastrocytoma [Prayson] 1082 (De)

## Y

#### Y Chromosome

Posttransplant lymphoproliferative disorder in pediatric bone marrow transplant recipients: disseminated disease of donor origin demonstrated by fluorescence in situ hybridization [Lones] 708 (Au)

## Z

#### Zinc

Histologic findings in patients with head and neck squamous cell carcinoma receiving perilymphatic natural cytokine mixture (IRX-2) prior to surgery [Meneses] 447 (My)

#### Zygomycosis see Mucormycosis

#### Zymogen see Enzyme Precursors